

DESIGN • FINANCING • CONSTRUCTION • EQUIPMENT • DECORATING

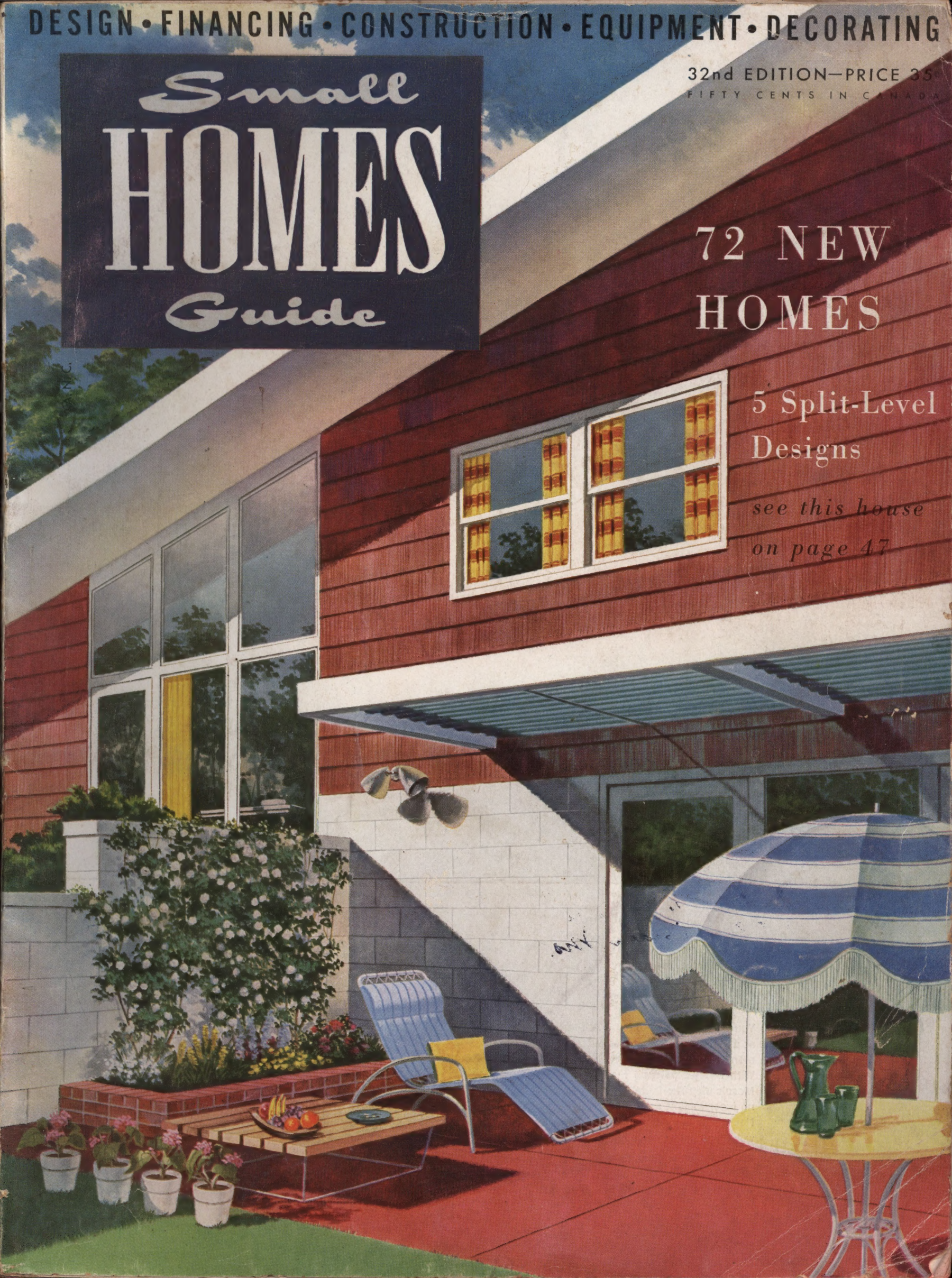
Small HOMES Guide

32nd EDITION—PRICE 35¢
FIFTY CENTS IN CANADA

72 NEW
HOMES

5 Split-Level
Designs

*see this house
on page 47*





Specifications: Walls and counter—2-3/4" x 1-1/4" Everglaze Tile, Color—Versailles Blue #710. Floor—6" x 6" Carlyle Quarry Tile, Color—Oriental. Blakley Granite, Inc., Indianapolis, Indiana, Tile Contractor. Photo: Hedrich-Blessing.

Put you in this kitchen!

Picture it in the morning light . . . bright and friendly as a smile. See it as a hostess . . . coffee and snacks for late-at-night friends.

You can have a care-free, efficient food center like this, at a cost well within your budget. And, easy time payments can now be arranged with many tile contractors. With newly-developed methods, you can have life-time Mosaic Clay Tile installed in your home . . . quickly, with no inconvenient muss! Nothing can harm Mosaic Tile. Never needs re-decorating. Its gay colors are fired-in, will never fade!

Whether you are planning to build or remodel your home, use Mosaic Clay Tile. Talk it over with your architect, builder or tile contractor . . . soon. And see everything in Mosaic Clay Tile at the Mosaic Showroom nearest you.

MOSAIC

1954 Our Sixtieth Year

THE MOSAIC TILE COMPANY

Member—Tile Council of America and The Producers' Council, Inc.
General Offices—Zanesville, Ohio
Offices, Warehouses and Showrooms across the Nation
Over 4000 Tile Contractors to serve you



Free from Mosaic . . .

Full-color tile picture folder, "Put New Life In Your Home Life." Write Dept. 50-1, The Mosaic Tile Company, Zanesville, Ohio, for your free copy.

For Free Estimates on MOSAIC Tile, see your phone book for the name of Your Tile Contractor (Ceramic)



a
planning
tip
for
concealed
telephone
wiring



BUILT-IN CONDUIT

Decide now where you want your telephones—arrange to have outlets for them—in the home you plan to build.

Tell your architect or builder so that conduit can be built into the walls and the telephone wires kept out of sight.

All it takes is a few minutes of your time to decide the locations where the builder should install the necessary pipe or tubing.

For more information about this important home feature, please send for booklet on ways to conceal telephone wiring. It's free. Just mark and mail the coupon below.

BELL TELEPHONE SYSTEM

DEPT. SHG-2, 195 BROADWAY, NEW YORK 7, NEW YORK



I would like a free copy of your booklet on ways to conceal telephone wiring.

Name _____

Address _____

City _____ State _____

COME TO CRANE FOR IDEAS

...new and practical ideas to fit your home!



Note three things about these rooms.

1. Note how they are designed around *new ideas* to add new charm and convenience as well as new comfort to your home.

2. Note, too, that Crane preferred plumbing and heating are used throughout. That's because only Crane offers the wide selection... the advanced design and the combination of price and quality that make these ideas *practical* to use in your home!

3. Finally, note this fact: these rooms are typical of the new ideas Crane has developed. Ask your Builder to show you the many unique, distinctive rooms in the Crane Sketchbook of Ideas. You'll find them truly original... as practical, as beautiful as Crane fixtures themselves!

Ask your Builder to include Crane ideas... and Crane preferred plumbing and heating in your home! Crane Co., 836 South Michigan Avenue, Chicago 5, Ill.

BATHROOMS: This budget bathroom measures only 5' x 7', yet any family would enjoy it, any hostess could be proud of it. Crane fixtures come in many styles, many colors, many prices. Always give maximum value!



KITCHENS: You too can have an efficient, work saving Crane kitchen like this. Crane offers you the widest selection of kitchen sinks in white and color, wall and base cabinets and appliances.

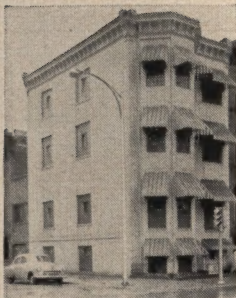


HEATING. Crane radiant baseboard heating is inconspicuous, efficient, does away with drafts, permits unhindered furniture arrangement. Crane offers a complete line of hot water and warm air heating systems.

THIRTY-SECOND EDITION

Small HOMES Guide

GUIDE
acquires
new
home



Moving day—May 1, 1954!

Like our readers who look forward to moving into their own homes, we too are proud that we now own our own home. The photograph shows our spacious, newly modernized three-story offices, located at 621 North Dearborn St., Chicago 10, Ill.

This move will enable our organization to expand greatly its facilities. Reader Service will be maintained on the ground floor and is easily accessible. Our readers are invited to stop in and visit us. General offices, including publisher, vice president and advertising offices, will be located on the first floor.

The editorial offices and art department, including executive editor and managing editor, will be located on the second floor. The third floor will be equipped with a specially designed photographic studio for developing decorating and new product sets. Also on this floor will be space for a photographic darkroom and sound-picture projection room.

PUBLISHER

W. Wadsworth Wood

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SUMMER-FALL 1954, No. 32

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DECORATING AND FURNISHING

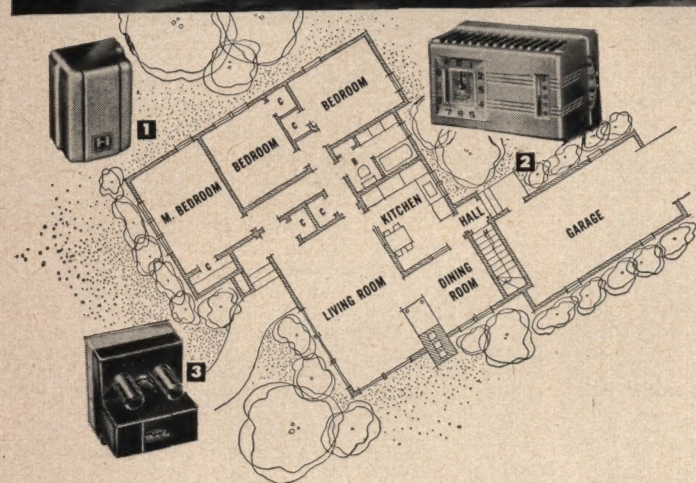
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Electronic Moduflow home in Minneapolis, Minnesota. Price in Minneapolis: \$23,500. The builder was George W. Sandquist Construction Co. Electronic Moduflow was installed by Cronstroms Heating & Sheet Metal.



How Electronic Moduflow works

The Outdoor Thermostat (1), senses the outdoor temperature and by means of electronic signals continually tells the Electronic Clock Thermostat (2) what indoor temperature is required to maintain comfort. This Indoor Thermostat signals the Relay Amplifier (3) which automatically adjusts the heating plant.



Why you need varying indoor temperatures

Your body loses heat less rapidly on a mild winter day, (upper photo) because walls are warmer. If you're average, you're comfortable with the room at 71°. Your home loses heat faster when temperature drops, (lower photo) making walls colder. So in winter Moduflow automatically raises room temperature—to keep comfort constant.

George W. Sandquist, a leading Minneapolis builder

George W. Sandquist, president of the construction company that bears his name, is a member of the board of directors of the National Association of Home Builders. His firm builds about 50 homes a year—mostly of the kind you see above. Sandquist homes range in price from \$17,000 to \$24,000, are always equipped with Honeywell Electronic Moduflow.



Thermostat outside your house gives you wonderful Weather Control inside

Now, super-sensitive Electronic Moduflow System opens a new world of wintertime comfort!—\$199.40 installed . . . easy terms . . .

A THERMOSTAT outside your house is the key element in Honeywell Electronic Moduflow, a new electronic temperature control system. Electronic Moduflow works on this scientific principle: *Constant temperature won't give you constant comfort. As outside temperatures go down, inside temperatures must go up.*

Electronic Moduflow makes the "indoor weather" of your house more healthful, and gets the full good out of your heating plant. Electronic Moduflow is also available in a year-round model—to control your central cooling plant in summer, too.

It's easy to get Electronic Moduflow for your home! When you're buying a *new house* Electronic Moduflow can be included in your mortgage—for only a few cents a day. In your *present home* it can be used with any type of adequate central heating plant. With a home improvement loan you can pay as little as \$6.39 a month.

No house is a modern house without Electronic Moduflow! See your builder, heating dealer or architect *today*. Or write for free booklet "The Story of Electronic Moduflow." Write Honeywell, Dept. 2905 Minneapolis 8, Minnesota. In Canada, Leaside, Toronto 17, Ontario.

MINNEAPOLIS
Honeywell

Electronic Moduflow





Editorial Board holds shirt sleeve session. (left to right, from front) Ed Johnson, Don Moore, Harry Dreiser, Jimmy Bolger, Helen Anderson, Dick Irmiter, George Van Hagen, Waddy Wood and Rubidoux Johnson.

This Is Your Team

Let us take you briefly behind the scenes and show you how an issue of **SMALL HOMES GUIDE** is produced and made available to you. How this is done is the dramatic story of a team in action. It is really your team—the editors, the architects, the manufacturers—all working together to give you the best possible editorial and product information on building your new home.

First, your letters help us to keep pace with your home-building needs. Our editors, working with top authorities in the fields of finance, construction, equipment, decorating and furnishing, gather this information. Through their eyes and ears they keep you posted on all the essentials of modern home-building construction, principles of heating, kitchen planning, new interior and exterior materials, appliances, all in this, the 32nd edition.

The architects, nationally recognized leaders in creating small-home designs, bring you fresh ideas in architectural trends, offer you blueprints from which you can actually build. You won't find a better bargain anywhere than in the big Design section, with its 72 home plans, pages 45-85.

The team obviously cannot be complete without the manufacturers of all types of products which you need to build, equip and furnish your home. Through their informative advertising, they help save you countless hours by compiling this needed information in one nationally recognized home reference manual. Over 250 leading manufacturers are currently giving you a review of their products in **SMALL HOMES GUIDE**. You are invited to use their offers of additional information through their coupons and our Helpful Booklets department. (See pages 270 to 275.) This service has been popular with our readers in the past, averaging three-quarter million requests for booklets each issue.

Planning for each edition is done long in advance. Then as the deadline approaches, our editorial board selects the ideas and information that will help you most and decides how to best present these in one compact package. Dozens of people are involved in making engravings of art work, photographs and setting type . . . 95,000 words, a complete book each issue. From the north woods, the paper . . . some 22 freight carloads, nearly a million pounds, must be ordered and shipped. Complicated printing schedules must be set up and then executed with stop watch timing. With the final turn of the presses, 525,000 copies of **SMALL HOMES GUIDE** are completed and sent to you through newsstand dealers throughout the United States and Canada.

This, then, is your team-in-action the editors, the architects, the manufacturers, working to serve you.

W. Waddy Wood
PUBLISHER

SAVE UP TO 25% ON FUEL OIL

Guaranteed in Writing!

...When you switch
to the amazing
TIMKEN
Silent Automatic
Wall-Flame Burner!

It's true! Your local factory-trained Timken Silent Automatic heating expert can now *guarantee* to reduce your fuel oil bills up to 25% through a simple change-over to this amazing Timken Wall-Flame Oil Burner, incorporating the most advanced principles of oil heating. Let him show you exactly how much this famous burner will save you. Then, if you decide to buy, he will *guarantee* these savings *in writing*.

If you're switching from coal to oil, this guarantee is important, too. For by installing a Timken Silent Automatic Wall-Flame Oil Burner, you know that you are getting this same fuel economy, proved over other oil burners in test after test, home after home. Plus the comfort and convenience of truly automatic heat!

Timken Silent Automatic Oil and Gas Burners are sold and installed by authorized, direct factory dealers. Factory-trained heating experts who have made more successful, money-saving,



**Only Your Factory-Trained
Timken Silent Automatic
Heating Expert Can Make
This Guaranteed Offer!**

Timken Silent Automatic Authorized Dealers are, almost without exception, the leading heating organizations in their communities. They have earned their dealership because of their experience, factory-training and outstanding reputation for dependable workmanship. Look to them with confidence.

factory-backed, guaranteed installations than any other dealer group.

There is no cost or obligation for a survey of your present oil heating unit. Your Timken Silent Automatic dealer is listed in the yellow pages of your phone book.

World's Finest Oil Burner! Below: Scientific placement of flame and preparation of air-fuel mixture, result in unequalled efficiency and fuel savings.



FREE! Send coupon for facts today!



Choose from Timken Silent Automatic's Complete Line of Oil and Gas Furnaces, Boilers, Conversion Burners and Water Heaters.

Phone your local Timken Silent Automatic dealer today for free survey of your present heating plant
.. facts on 36-Month Easy-Pay Plan!

Timken Silent Automatic Division
Dept. SH-441, Jackson, Michigan
Please give me specific information showing how home-owners in my community have saved on fuel with Timken Silent Automatic Heat.

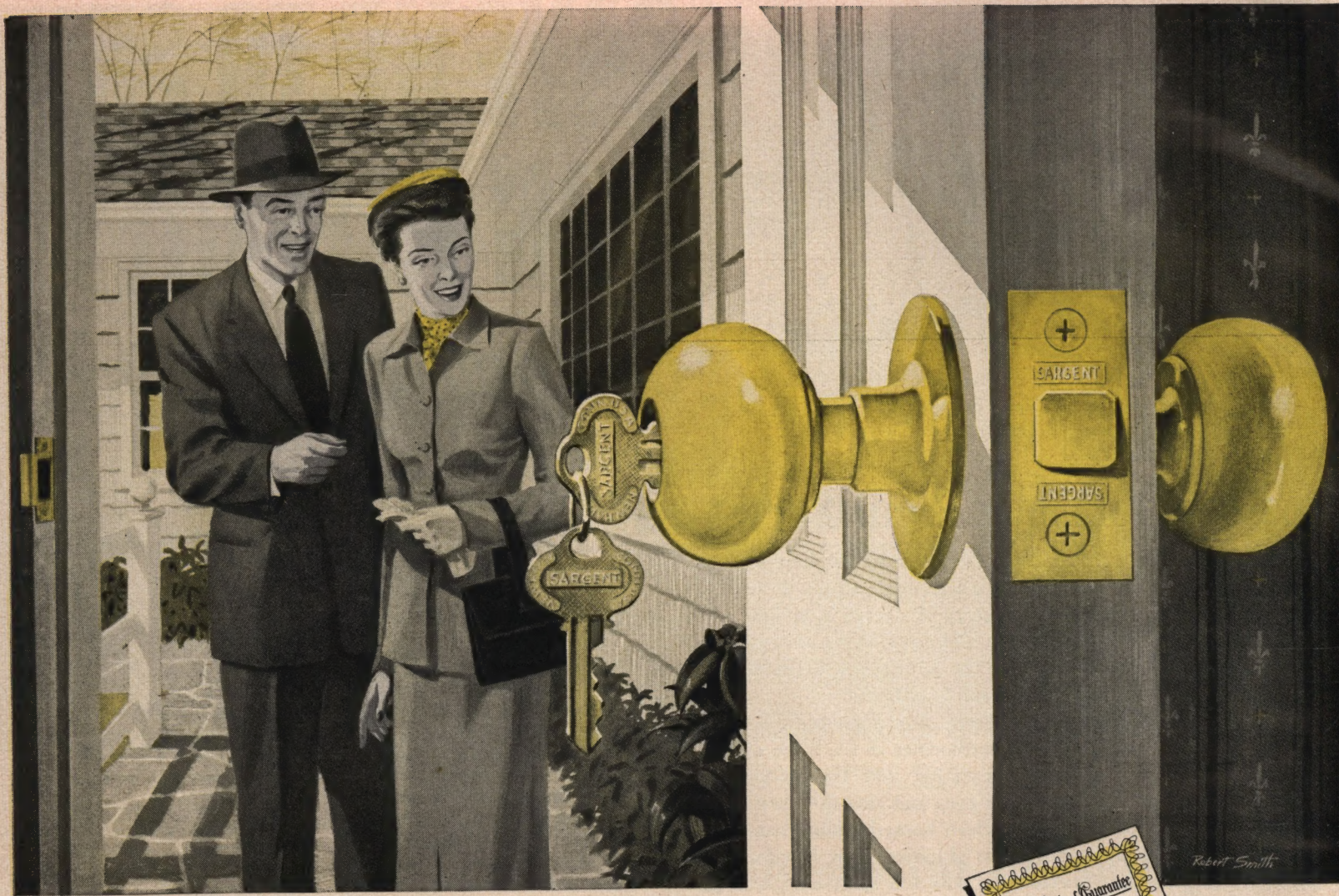
Name

Street

City State

I am also interested in
(Students, please check here for special data) ☐





The sign of a well-built house

ALIGNALOCK TRADEMARK by Sargent of New Haven

Look for the Sargent ALIGNALOCK when you "shop" for a new home.

... for wherever you see ALIGNALOCK, you can expect that nationally recognized, branded products are used *throughout* the house!

The Sargent ALIGNALOCK is a new, handsome, high quality lock ... fully guaranteed by a lockmaker you *know*, famous for quality since 1864.

ALIGNALOCK has wonderful special safety features. The bedroom sets unlock automatically if door is closed with the lock "on." And even a paper clip inserted in the exterior of a bathroom set releases the lock in an emer-

gency. You get extra protection and safety.

If you are planning to build, ask your architect to install ALIGNALOCK. Or add its beauty, protection and utility to your present home.

Sargent ALIGNALOCKS are available for every household use ... in a variety of beautiful, enduring finishes.

Ask for ALIGNALOCK at your local hardware or building supply dealer and compare it feature by feature with *any* lock. You'll be mighty pleased with the price!

For illustrated, descriptive folder, write us, Dept. 1D.



Sargent & Company • New York • NEW HAVEN, CONN. • Chicago
Hardware of Character

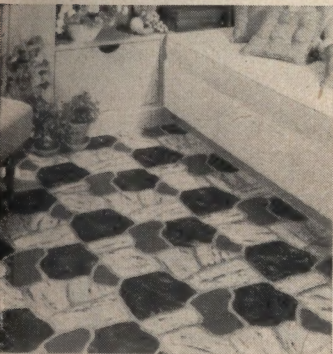


have you
heard
about...

PRODUCTS shown in this department are new and now on the market. If you are unable to locate what you want at appropriate local sources, write to the manufacturer whose address appears in the listing.

ROLL PAINT DESIGNS

Homeowners can roll their own painted wall designs with *Applikay*, a completely washable paint developed for use on embossed rollers which transfer the design to the wall. Eight colors, five patterns. Paint and equipment costs \$15 for average room. Martin-Senour Co., 2520 S. Quarry St., Chicago, Ill.



"JIG-SAW" TILE

Flagstone Asphalt Tile has irregularly shaped "flagstones" that fit into openings in an 18x18-inch framework or grid. Grids are cemented to floor, then the odd-shaped tiles are fitted into the openings. About 65c per square foot, through floor covering dealers. Installed, about 80c. Three color schemes. Armstrong Cork Co., Lancaster, Pa.

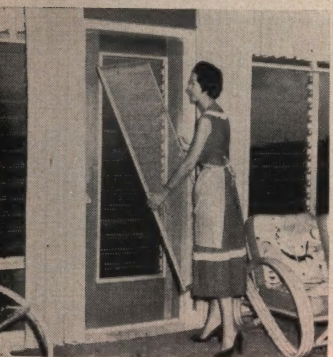
FOOD FILE

New 2-Zone combines 10-cubic-foot refrigerator and 11½-cubic-foot freezer in one appliance occupying only a 36x29¾-inch floor space. Freezer is bottom unit, so food in refrigerator is all above waist height. Each unit has separate thermostat control. Price at appliance stores is \$749.95. Made by Manitowoc Equipment Works, Manitowoc, Wis.



VERSATILE DOOR

ABC Jalousie Door quickly converts to screen door or storm door, thanks to new clip-on type aluminum frames; keeps out insects in summer and is completely weather-tight in winter. Glass louvers open at touch of a finger. Costs \$49.50, sold through building material dealers. Adams Engineering Co., Inc., P.O. Box 936, Little River Branch, Miami 38, Fla.



Why so many people are insisting on CENTURY heating

1 An exclusive design that gives you MORE HEAT for your fuel dollar.

The Crescent shaped heat transfer unit design of a Century furnace provides three surfaces for heating the air instead of the usual one. As a result, the cold air coming into your furnace is heated more quickly and efficiently. In addition, the Crescent design also forces the hot gases from the fuel you burn to travel longer distances before they go up the chimney. Thus, less heat is wasted. You pocket the savings.



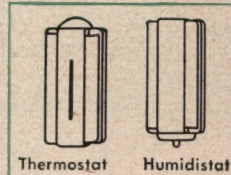
Century design
—incoming air passes through three channels is heated by three surfaces—A, B and C.



Other furnace design
—incoming air passes through one channel only, around outside of the furnace body. Is heated from one surface—A

2 Exact control of humidity in your home just the way you control temperature.

Century humidity control is completely automatic. You dial the degree of humidity your family prefers just like you choose the temperature that suits you best. And with the century air purifier-humidifier system, the air in your home is bathed and cleansed in fresh cool water. Helping to safeguard your family's health and comfort by removing irritating dust particles from the air.



BOTH CONTROLS
are conveniently located side by side in the living area of your home.

Only Century gives you these 2 remarkable features *plus* quality of manufacture in every detail and custom tailoring of jacket design to give you a compact, neat appearing heating plant.

See your Century dealer. He has a complete line of Century automatic gas and oil furnaces in many models for attractive basement installation and space-saving installation in basementless homes. Drop us a card if you don't know his name.

CENTURY

ENGINEERING CORPORATION
Cedar Rapids, Iowa

A leading manufacturer of Automatic Heating Equipment for over 30 years.



Century Basement model illustrated. Available in gas or oil.

CENTURY ENGINEERING CORP. Cedar Rapids, Iowa

Gentlemen: please send me your free booklet "A Home Owners Guide to Better Living Through Better Heating."

Name _____

Address _____

City _____ State _____

MAIL THIS COUPON TODAY

**BUILD BETTER
FOR LESS!**



Builders and buyers know that R.O.W. windows offer the best in construction, materials, and beauty—*plus* the lift-out feature. Yet, R.O.W. windows usually cost *LESS* than other quality wood windows *WITHOUT* the removable feature.



One man can install with sash out!

See your local lumber dealer or write

R.O.W. SALES CO. 1328-50 ACADEMY AVENUE • FERNDALE 20, MICHIGAN

R.O.W. is the registered trade-mark of the R.O.W. Sales Co.

have you

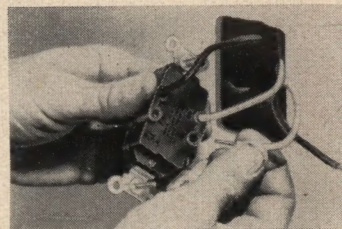


DRILL AROUND CORNER

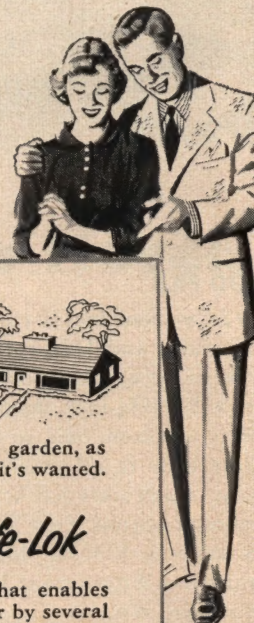
The usefulness of 1/4-inch electric drills is multiplied by this new *Right-Angle Drive*. Easy to work in corners, between studs and in other spots normally impossible to reach. Used for drilling, sanding, polishing, etc. Fits almost every popular 1/4-inch drill. Available at hardware stores for \$4.95. Millers Falls Co., Greenfield, Mass.

EASY CONTACT

Pressure Lock method of making electrical connections on outlets and switches eliminates binding screws. The new devices are wired simply by pushing stripped conductor leads into the terminal holes on the back. Brown or ivory. Switches and outlets cost 34 to 58c at hardware stores. General Electric Co., 1285 Boston Ave., Bridgeport 2, Conn.



To Make Sure we'll put in a **BURKS** Super Turbine Water System

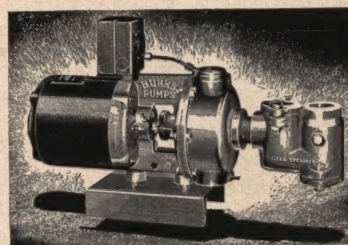


Yes—BURKS Systems give you running water, under pressure, just like city water—and they're entirely automatic. Just turn the faucet and you have all the water you want. No finer water system has ever been made. You'll have lots of water for home, lawn and garden, as well as for fire protection—always ready when it's wanted.



only **BURKS** has *Life-Lok*

Life-Lok is an exclusive engineering feature that enables your BURKS Water System to outlast any other by several years. Other BURKS features, such as One Moving Part—Self-Priming—Completely Automatic Operation—and the same pumping unit for deep or shallow wells—combine to make BURKS the most wanted water system. Fill out and mail the coupon. It will bring you *The Story of BURKS*—read it before you buy any system.



**DECATUR
PUMP COMPANY**
59 Elk St. • Decatur 70, Ill.

DECATUR PUMP COMPANY
59 Elk St. • Decatur 70, Ill.
Please send me your Free Book
"The Story of BURKS."

Name _____
Address _____
City _____ State _____

heard about...

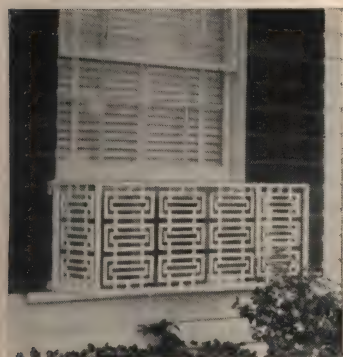
PLASTIC FABRIC

Capri is a striking new bouclé fabric reproduction with a silken appearance never before achieved in plastic upholstery. 12 pastel colors. Available from the larger upholstery stores in 52-inch width at about \$6 per yard. Furniture using the fabric will be available early next year. E. I. du Pont de Nemours & Co., Wilmington 98, Del.



COOLER CAMOUFLAGE

Room Conditioner Décor Grille hides exterior of room air conditioner, gives home a decorative finishing touch. Four sizes, 36 to 48 inches wide; two designs—Modern (shown) and Orleans. Made of aluminum, easily mounted on any type exterior wall. Costs \$29.95-\$39.95 at hardware stores. Bar-Brook Manufacturing Co., 6135 Linwood Ave., Shreveport, La.



Rolled up or Rolled Down
Looking in or Looking Out

ALUMAROLL

America's
most
Charming
and
Sensible

ALUMINUM AWNINGS

Alumaroll is so beautiful and practical! Stays up all year round—rolls up or down at a finger's touch. Yet it costs no more than ordinary rigid aluminum awnings. In 9 lovely colors to mix or match. Call your Alumaroll Dealer listed in your phone book—or use this coupon.

DOOR
CANOPIES



TERRACE
COVERS



ORCHARD BROTHERS, INC. 5H454

66 Meadow Road, Rutherford, New Jersey

Yes, I own my own home! Please send me your FREE Full Color Illustrated Brochure on Alumaroll Awnings, Door Canopies and Patio Covers.

Name.....

Address.....

City.....State.....Phone.....

"R" IS FOR REMOVABLE!



R.O.W windows were the first removable windows to be widely accepted. The patented, trouble-free mechanism, plus quality construction, has been responsible for R.O.W windows' remaining America's favorite. Insist on genuine R.O.W windows.



Look for the cups!

See your local lumber dealer or write

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R.O.W is the registered trade-mark of the R.O.W. Sales Co.



HOMES LIKE THESE ENJOY

NIAGARA

Activated Heat

Plan a home of any size . . . any style . . . anywhere . . . remodel or replace your present heating system . . . and when you do, choose a Niagara Furnace for maximum comfort — maximum economy — maximum convenience.

Niagara furnaces deliver heat in its most pleasing, comfortable form — warm air in gentle motion . . . ACTIVATED heat . . . LIVE heat!

Guaranteeing your satisfaction with a Niagara, is the 60 year reputation of Niagara furnaces for dependability, for durability, and for economy of operation.



NIAGARA SERIES 50 DELUXE FURNACES For the utmost in heating equipment, ask your heating contractor to install a Niagara Series 50 Deluxe — a fully automatic, gas-fired winter air-conditioning furnace with a 3-speed blower that circulates warm air in a gentle stream — no hot blasts. Exclusive features of this furnace are the Niagara cast iron heat exchanger and a special iron alloy combustion chamber which assure long life to the heating elements.

SUMMER COOLING, TOO. For comfort in hot, humid weather, Niagara provides cooling units which can be at-

tached to Niagara furnaces for circulating dehumidified, refrigerated air in summer through the same ducts that circulate heat in the winter. A very modern, new idea you'll want to investigate.

CONVERTIBLE OIL-GAS FURNACES With several Niagara models you have the great advantage of a choice of fuel — either gas or oil. These Niagara oil furnaces may be converted to burn gas at any time by changing the burner. All of these "Convertible" furnaces are equipped with rectangular steel heat exchangers that make possible exceptionally compact units.



Oil Convertible Up-Flow

For complete information which will help you choose the Niagara Furnace — gas, oil or coal — that meets your heating requirements, see your local Niagara Heating dealer or mail the coupon below.

There's a Niagara for any home heating requirement



NIAGARA FURNACE DIVISION

The Forest City Foundries Co., 2500 West 27th St., Cleveland 13, Ohio

Send me more information on Niagara furnaces burning () Oil; () Gas; for house with basement () ; without basement () ; and details of Niagara Cooling Unit () .

NAME _____
ADDRESS _____
P.O. _____ STATE _____

have you



PREFINISHED PLYWOOD

Craftwall is a factory-finished plywood paneling that simulates random-width plank paneling. Available in panels of three sizes, seven wood finishes and several patterns of grooves. Sells for 59-75c per square foot through building materials dealers. Roddis Plywood Corp., Marshfield, Wis.

SAFE DRINKING WATER

UV Water Purifier uses ultra-violet irradiation to make drinking water bacteriologically safe. Can be attached permanently or temporarily to any source of tap water. Found highly effective by De Paul University scientists. Costs \$79.95 from manufacturer, A.R.F. Products, Inc., 7627 Lake St., River Forest, Illinois.



WITH BROWN'S
Seal-Packaged

SUPERCEDAR

Closet Lining

With easy-to-install SUPERCEDAR you can have the romance, fragrance and protection of genuine red cedar at a cost little or no more than plastering! Can be nailed directly to open studing in new homes or over old plaster and wood in old homes. Never needs painting! Adds permanent beauty and saleable value.

FREE CLOSET PLANNING BOOKLET

The most informative booklet of its kind on closets. Write for your copy!



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BROWN & CO., INC.**

Greensboro,
North Carolina.

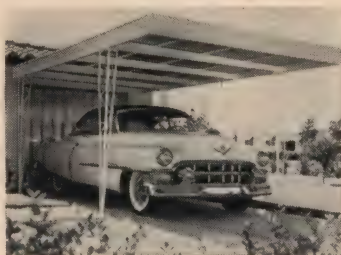


Sold Thru
Building Supply Dealers Everywhere

heard about...

PACKAGED SHELTER

American Carport has a corrugated aluminum roof with aluminum frame, four ornamental steel pilasters. Also can be used as shelter for patios, pools, etc. 10x20 feet. Sells for \$475-\$500 installed. Markee Corporation of America, 4045 N.W. 29th St., Miami, Fla.



SANDWICH GLASS

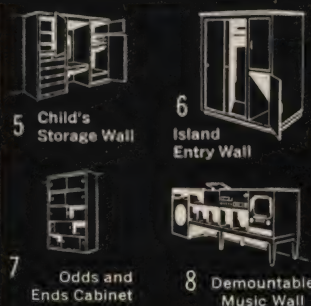
Welded Insulating Glass is now available in Andersen Casement and Flexivent windows. Two panes are welded together with a perfect all-glass seal. Sash and glazing compound are clamped around the glass, giving neater appearance. Sold by building materials dealers at about 25 percent more than standard double glazing systems. Andersen Corp., Bayport, Minn.



need more storage?

... it's easy to have new built-ins when you use these real wood panels

FIR PLY-WOOD



Yes—fir plywood is the logical material for built-ins. Large, light, strong real wood panels make building easy... mean built-ins that are sturdy, good-looking, and practical. With fir plywood, you can plan storage to meet your exact space needs. Plans are available for any of these 8 built-ins. Order by number; 10c each, Douglas Fir Plywood Assoc., Tacoma 2, Wn. Or see your lumber dealer today!

Buy Only DFPA-Grademarked Panels



9 Portfolio of Built-Ins

Other built-in ideas are shown in this helpful portfolio. It's yours for 10c. Ask for Number 9.

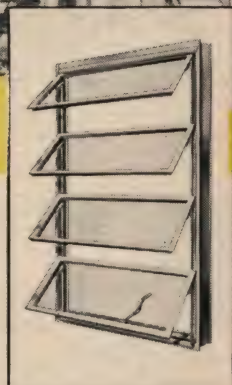
NEW BEAUTY! NEW COMFORT!

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Denison

awning-type
Windows



You'll like the streamlined beauty of DENISON ALUMINUM AWNING-TYPE WINDOWS... their smart trim lines... quality construction... easy, efficient operation... their surprising low cost!

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TRIPLE-POWERED* CENTER OPERATOR for the *easiest operating window ever made*... no corner operator problems... open or close vents even when venetian blinds are down.

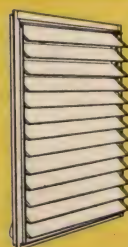
COMPLETE WEATHERSTRIPPING plus double metal to metal contact for positive weather protection. *Seal out cold* for winter comfort... reduce fuel bills.

VENTILATION WHILE RAIN-

ING. Even when open, downward slant of vents and fixed hinge operation of top vent prevent rain from splashing in.

TWELVE INCH VENTS with *full cantilever support* eliminate projecting arms... provide unobstructed view.

LIFETIME CONSTRUCTION. Heavy extruded-aluminum construction, advanced design, precision engineering for a lifetime of service... no maintenance required.



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and trim.

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literature.



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PHILIPPINE LUMBER PRODUCERS' ASSOCIATION, INC., MANILA

have you



MAGNETIC LATCH

A high-powered magnet in the *Colonial Magnetic Bar Latch* holds interior doors securely. Costs \$1.25 in Colonial black and \$1.35 in antique copper or Swedish iron finishes. Sold through hardware stores and lumber dealers. Manufactured by American Cabinet Hardware Corp., 416 South Main St., Rockford, Ill.

PRETTY AS A PICTURE

Twelve manufacturers have made a new line of interior fir panel doors available for homeowners. The *Picture Panel* doors have a wide-ened and simplified panel molding that makes a picture frame. One, two and three-panel models sold through most lumber dealers at \$8-\$10. Fir Door Institute, Rust Building, Tacoma 2, Wash.

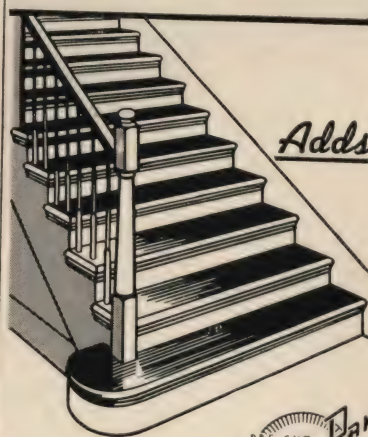


HERE'S AN EXCITING NEW IDEA

a stairway you can
actually install
yourself!

Saves up to 50%

Adds Charm and beauty too



Send coupon today! Learn all the benefits of this money-saving idea — plus styles, specifications and prices.



For that new home you're planning decide now on the beautiful, pre-cut STAIR-PAK stairway that you actually install yourself! It's easy, it's timesaving and most important it saves you as much as 50% over old-fashioned methods.

Actual installation is simple. You receive your stairway in compact cartons with every piece pre-formed by our own master craftsmen out of specially selected, top-grade oak and clear white pine.

You install it yourself, following our simple directions, and using only common household tools. What's more, there are a variety of styles to choose from including the box, partially open and fully open types.

Join the thousands of satisfied homeowners who enjoy the immediate economy and lasting beauty of STAIR-PAK. Send for free literature now.

Gentlemen:

Without obligation, please send me information on STAIR-PAK.

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The Stair-Pak Products Co.
DIV. OF I. & J. SUCKNO CO.
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TOUGH PAINT

Wallhide PBX Flat Wall Paint has greater durability, washability, mar resistance, uniformity of appearance and ease of application than previous flat paints. No primer needed. Wide range of colors, including many new decorator favorites. Costs from \$4.90 to \$5.15 per gallon at paint stores. Pittsburgh Plate Glass Co., 632 Fort Duquesne Blvd., Pittsburgh 22, Pa.



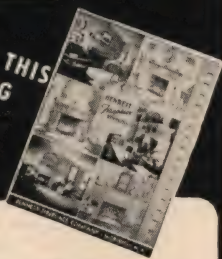
EFFECTIVE COMBINATION

Combination *Jalousie* and picture window provides unobstructed view plus controlled, effective ventilation. Recessed screen is interchangeable with storm sash. Jalousies cost from \$22.25 for 19x26-inch size to \$126.25 for 76 $\frac{3}{4}$ x69 $\frac{3}{8}$ inches. Denison Corp., 1890 N.E. 146th St., North Miami, Fla.



BEFORE YOU BUILD A FIREPLACE...

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INTERESTING
BOOKLET
Free



Benefire[®]
FIREPLACE FORM



THE TRUE

Flexscreen
REG. U.S. & CANADA PAT. OFF.

Save money—while you're building a perfect fireplace! The redesigned, super-efficient Benefire form cuts construction costs, and assures perfect operation. No smoke, guaranteed. The Benefire takes cool air from floor level, warms and recirculates it throughout the room. No interference with mantel design or traditional fireplace charm. The perfect fireplace for your new home—and for camps, summer homes and recreation rooms, etc.

Sheer woven-metal folds drape your fireplace with striking beauty—and provide safety and convenience found in no other screen. Flexscreen is *absolutely sparkproof*. And Unipull—ours exclusively—opens or closes both curtains at one time, with the touch of one hand. In permanently attached or free-standing frame models, in a variety of styles and finishes, including the new, tremendously popular Hooded Flexscreen.

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"Alice,
after all that shopping
aren't you just
worn out?"



"Why no, Mary.
The 'yellow pages'
showed me exactly where to
shop for the things I needed."

When you need things for the home, let
the 'yellow pages' of your telephone
directory save you steps and time.

You'll find everything from Antiques
to Zippers quickly and conveniently.



It's easy to shop
the 'yellow pages' way.

"WE have HEIL Automatic Heat"



Maybe we're exaggerating a little, but not too much, believe us. Good heating can make a world of difference to your new home. Never before have you been able to build a new home and be assured of such wonderful heating comfort—if you insist on it.

HEIL Automatic Heat is designed not only to give you heating, but to give you *uniform* heating—temperatures that are unvarying, hour after hour, and from room to room. And HEIL Automatic Heat is engineered to give you that wonderful comfort at definite savings in fuel costs. You couldn't ask for more.

YOUR HOME CAN HAVE HEIL

Maybe you expected us to say that HEIL Automatic Heat costs a little more. It doesn't. You can have all the advantages of the most modern heating equipment made without paying a penny more. And if it's year-round air conditioning you want—or want to save room for—HEIL has it for you.

Before you go a step farther with that new home of yours, check on the heating . . . check on HEIL. Like thousands upon thousands of others all over the country, you'll be glad you did. See your HEIL dealer . . . NOW!

WRITE NOW FOR THIS NEW BOOK

**179 WAYS
TO CUT
HEATING
COSTS**

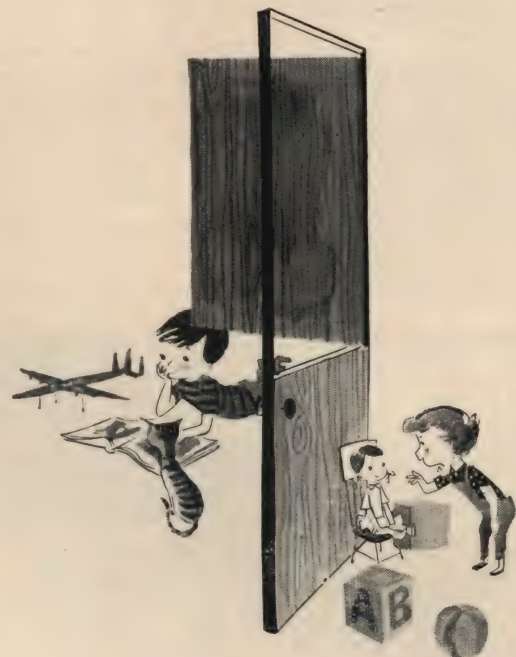
- THE HEIL CO.
- MILWAUKEE 1, WISCONSIN
- Enclosed is 10 cents (in coin or stamps). Please send me your new book containing 179 ways to cut heating costs in my home.
- Name
- Street and Number
- City Zone State

HERE'S YOUR IDEA

Send *YOUR* ideas to Ideas Dept., SMALL HOMES GUIDE, 621 N. Dearborn St., Chicago 10, Illinois. Ten dollars will be paid for each idea published. Material submitted to this department must be original and cannot be returned.

WE HAD NO SUITABLE handy-to-get-at place to store a tank-type vacuum cleaner until my husband built one into a planter between our kitchen and dining room. He put a door on the end of the room-dividing planter, using concealed hinges and touch catch, the type that lets the door spring open when it is pushed slightly.

—Mrs. Elmer Timm, La Moure, N. Dak.



WE HAVE TWO CHILDREN, a boy 4 years old and a girl of 1. In the home we are building, we will have flush doors on their bedroom—to be cut and hung just like Dutch doors. In this way I will be able to keep each child in his or her own room and yet, when the upper part of the door is open, I will be able to hear and see them at play without disturbing them. Also, circulation of air through the rooms will not be hampered.

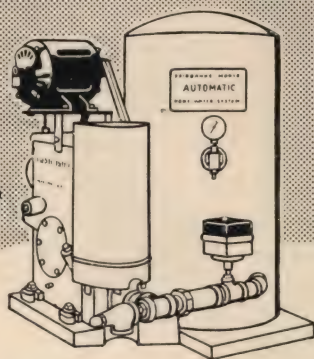
—Mrs. R. H. Reid, Vidalia, Ga.

ONE OF THE FEATURES I am putting in our home is a large walk-in closet off the master bedroom with a roomy built-in storage chest on the floor at one side. The box, cedar-lined for storage of out-of-season garments, is 5 feet long (the full depth of the closet), 24 inches deep and 27 inches high. The box will not prevent hanging shorter garments on the rod above it, and I know it will be pleasant not to clutter up dresser drawers and other closet space with clothing that is not in use.

—Mrs. Joseph S. Moore, Jr., Canonsburg, Pa.

(continued on page 16)

this Pump?



or this Pump?

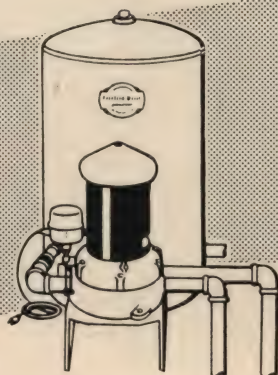


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with all the answers!

or this Pump?



or this Pump?



Here is the booklet that tells all you need to know to assure your family of all the water it needs for comfort and convenience!

Its 24 illustrated pages are filled with information such as: selecting the proper pump for a shallow or deep well unit; where to put it; plans for the use of running water on farms and estates; planning the plumbing system for your home; tips on baths, laundry, washrooms and kitchens; how to plan and install a sanitary disposal system; the value of softening water; choosing the right water heater; and many other related subjects.



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This booklet will be sent to you free. Send for it now. Doing so can save many dollars and many headaches, as well as help give you *all* the advantages of a properly planned system of running water.

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Remodeling your present home—or building anew—it will pay you to use the Western Pines*. You can count on these carefully selected, well-seasoned woods to satisfy you through the years.

Their smooth surface and even texture make easy work of such rewarding jobs as this attractive kitchen. Cabinets, cupboards and paneling reflect the friendly glow of the Western Pine woods—add their charm and convenience to your design for living!

In any building or remodeling project—whether you do it yourself or have it done—the woods of the Western Pines cost amazingly little. Your local lumber dealer will be glad to give you an estimate.

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free ideas

68 photographs, many in full color, show you building, remodeling and decorating projects featuring the woods of the Western Pines. Send today for the FREE booklet, "ENCHANTING HOMES OF WESTERN PINES," to WESTERN PINE ASSOCIATION, Dept. 302-Z, Yeon Bldg., Portland 4, Oregon.

HERE'S YOUR IDEA (continued)

MY SON MADE A mobile wood box for our fireplace from an old footlocker by equipping it with wooden legs and handles and two small wagon wheels. The legs and wheels are of the same height to make the top level; covered with a foam-rubber pad, the box gives us extra seating space near the fireplace.

—Mrs. Joe Westling, Compton, Calif.

WE BUILT A SPECIAL LITTLE three-shelf cabinet in our kitchen for baby food. The shelves are just deep enough to hold one row of jars or cans. Arranged with vegetables on one shelf, meats on another and fruits and desserts on the third, the cabinet ends those frustrating searches for the right jar among all the other canned goods on pantry shelves.

—Mrs. Harvey Muller, Danboro, Pa.

WE ARE GOING TO HAVE the faucet and controls for our bathtub installed on the opposite wall from the drain end. Cleaning the tub will be much easier, for when clean water is let into the tub it will force dirty water toward the drain, not back into the tub.

—Mrs. Robert L. Henry, Slaton, Tex.



WHEN DESIGNING THE KITCHEN in our home, we had our four-unit electric cooking top built into the surface of a table with large casters on it so it can be moved about easily. It sits in the center of my kitchen and has cabinets for pots and pans below it. Our oven is built into the wall just high enough for me to use it without stooping.

—Mrs. William Bethel, Lakeside, Calif.

WE HAVE ABOUT 16 feet of insulating-glass window sections in our living room. Instead of using two large floor-length traversing draperies, I used eight smaller sections, slipstitching the sections together at the side seams. Now if the children should soil a small area, I merely remove the soiled section for cleaning instead of having to take down the whole thing. I also purchased two extra sections in case of damage.

—Mrs. Martin Goodyear, New Albany, Ind.



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MATE
WAIT



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A Formica Vanitory® can help the whole family get places on time and still make the bathroom ritual a casual gracious interlude. Efficiency features of a Vanitory can be twin bowls, plenty of counter top space for keeping toiletries in easy reach, laundry hamper, towel storage, medicine chest and of course best of all, a colorful carefree Formica surface.

Formica is unharmed by boiling water, cosmetics, alcohol, and mild acids and alkalies. It wipes clean with only a damp cloth. A super-smooth Formica surface has no germ catching grout lines and is warm and pleasant to the touch.

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FORMICA
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Pays in Performance



Seeing is believing. If this wash-off identification is not on the surface, it's not FORMICA.

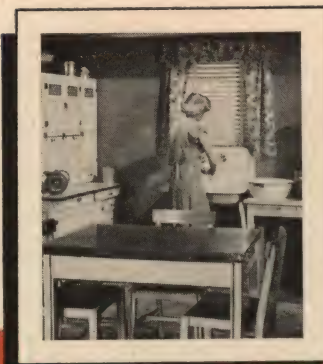
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bathroom idea folder illustrating
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to our old "work-trap"
almost overnight!



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as little as \$2⁷⁶ a week!*

Now—there's not a reason in the world why you should put up with the drudgery of an old-fashioned work-making kitchen. You can have a beautiful American Kitchen for as little as \$2.76 a week—you can save yourself hours of work every day and add real value to your home! Send today for the new American Kitchens booklet—see how easy it is to plan your new step-saving kitchen, see the dozens of kitchen decorating ideas. And—see why it's the most work-saving kitchen of them all:

Look—Compare FEATURES LIKE THESE:

- smooth surfaces, no dirt-catching handles... easier to clean
- tops of stain-resistant lifetime vinyl
- drawers rounded and seamless, clean as easily as wiping out a bowl
- sink bowls 15% larger with no dirt-catching back ledges
- exclusive curved "working-comfort" design with plenty of toe and knee room
- exclusive Roto-Tray Dishwasher—the one dishwasher that does all the work, washes 3 times cleaner than by hand

Cabinets of Steel for Lasting Appeal

*"Mrs. America Kitchen"—not installed




You'll never touch messy garbage again with the "RED DEMON" garbage disposer. Can't jam, can't clog—safe, quiet.

American Kitchens, Dept. SHG 6-4
AVCO Mfg. Corp., Connersville, Indiana
Here is 25¢. Please rush new full-color 24-page booklet... "New Kitchen Designs for Living"... with full information on American Kitchens, planning and decorating!

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AMERICAN KITCHENS DIVISION  CONNERSVILLE, INDIANA

BUILD YOUR OWN

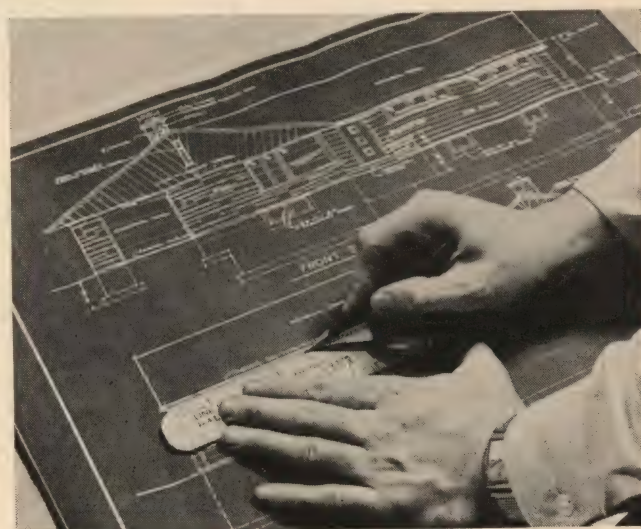
HOUSE MODEL

see exactly how your new home will look—

family project you can do in an evening

You and your family in a single evening can construct a scale model of that dream house you are planning. It's fun and it's easy. Here's all you need to start: several pieces of rigid cardboard, a hard pencil, carbon paper, a ruler, tape, a sharp knife and a set of the architect's blueprints. Here is a step-by-step outline of the actual construction procedure.

STEP 1—Cut the floor plan of your house from the architect's plan drawing, and paste the plan down on a piece of cardboard. Study this view carefully, checking the walls and corners of the house, comparing this view with the side elevations. We suggest lettering each corner on the plan (A, B, C, D, etc.), placing the corresponding letters in the proper places on each elevation drawing. This will help orient you as the model is constructed.



STEP 2—Lay the side elevations of your house, as shown on the blueprint, flat on another piece of cardboard, and with the aid of carbon paper trace the walls. You can also outline windows, doors and sides at this point. Take into consideration backsets or jogs in an elevation which will require inserting pieces when the model is set up. Keying the corners, as mentioned before, will help here. (As an alternate method, you may wish to cut out the side elevations, pasting them on the cardboard rather than transferring the drawing by tracing. This is especially recommended if the architect has furnished positive drawings—blue, black or red lines on white background—since the white background can be easily colored.)

STEP 3—With the aid of a ruler, measure directly from the blueprint the length, height and span of your roof sections. Lay out these measurements on the cardboard. The exposed portions of the chimney also can be measured from the blueprints. When drawing the chimney, add a tongue on each side to aid in fastening the chimney to the roof.

(continued on page 27)



A TILED laundry is a bright idea

The new Idea Book of Tile is full of ideas—ideas as stylish, as attractive, as work-saving, as practical as this modern laundry. Tile walls and floors make it as smart-looking as any room in your home. Work is a pleasure in a room like this!

For rooms all through your home, the Idea Book of Tile gives you suggestions—whether you are starting new or remodeling—whether your budget is large or small. A handy worksheet with typical fixture dimensions lets you plan your rooms for comfort and convenience. Send 10c for your copy of this full-color booklet, today!

American-Olean Tile Co.

994 Kenilworth Ave., Lansdale, Pennsylvania

PRACTICAL BEAUTY COMES NATURALLY —WITH A-O TILE

1. Tiled counter tops can't be harmed by heat, moisture, and strong soaps or bleaches.
2. Tiled window sills are waterproof and sunfast for the life of your home; never need painting.
3. Floor-to-ceiling tile may cost little more than partially tiled walls.
4. Tiled floor will not indent. It is pleasant to walk on—lovely to live with—easy to care for.

TILE SPECIFICATIONS: Color Plate 44.
Wall: 26 Clover Red. Counter tops: 81 Spruce Green. Floor: Lattice pattern, Gray Granite, White, Black.

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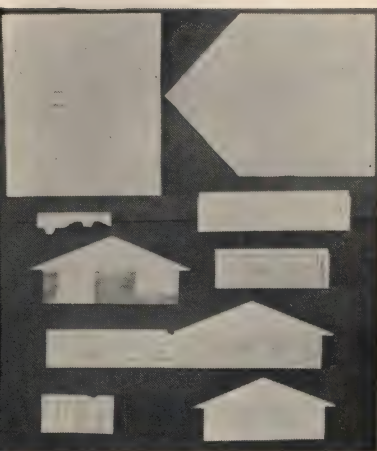
QUALITY PRODUCTS SINCE 1795

EAST WALPOLE, MASS., NEW YORK, N. Y., CHICAGO, ILL., SHREVEPORT, LA.

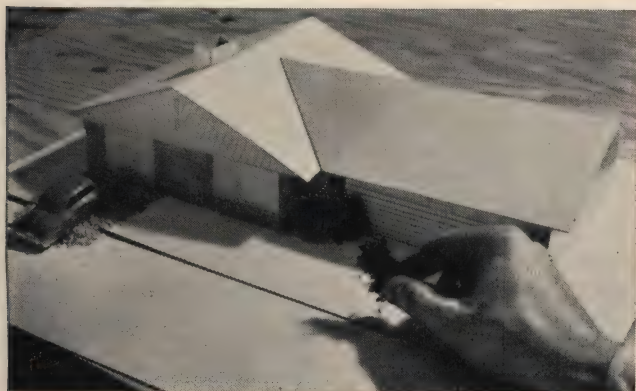
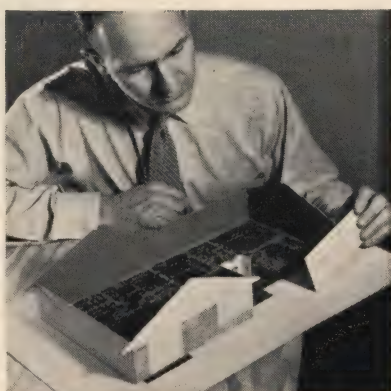
BUILD YOUR OWN HOUSE MODEL



STEP 4—Using a sharp knife or razor blade, cut out the wall and roof sections, following the out-lines marked.



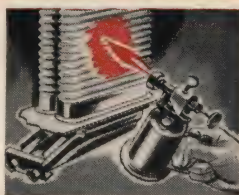
STEP 5—Assemble the walls by mounting them with scotch tape on the floor plan. Tape walls together at corners. Add the roof section and fasten the chimney. Add landscaping if you wish. Presto, you are almost ready to move in!



You may find it interesting now to try samples of exterior paint or building materials on the house. Thumb through **SMALL HOMES GUIDE** and test some of the color samples you will find throughout the magazine. Crayons, water colors or a paint chart also can be of help when studying outside color combinations. Building a model of your own house gives you a real opportunity to see your future home in 3-D. Moreover, you can save dollars by making sure at this point that this is the home you want. The design shown here is No. 1321 from our 31st Edition. The architect is Elmer Gylleck.

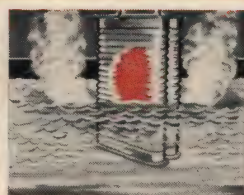
NOW... longer furnace life

with
Dura-tube
heat exchangers



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Tests show that Dura-tube at 1200° F. can be chilled with cold water without damage.



Forget Corrosion!

Dura-tube's tough armor resists rusting and the combustion gases that eat away at ordinary cast iron or steel.



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In nearly ¼ million Dura-tubes installed over the past five years, the replacement record for this "vital heating heart" is ZERO!

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Automatic WINTER SUMMER Conditioning

JANITROL DIVISION

Surface Combustion Corporation, Columbus 16, Ohio

In that new home

be sure you get a

White WATER-HOTTER

for health...comfort...
cleanliness!



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—Round or
table top
models
GAS—
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models only

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White electric models exceed most utility requirements by 6.9%. White's exclusive baffle diffuses and tempers incoming water. That means plenty of hot water . . . always on tap.

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There is a White Water-Hotter of the right size and type to solve every water heating problem in your home, easily and economically. See your White dealer or mail coupon today for FREE facts about super-heating service. White Products Corp., Middleville, Michigan



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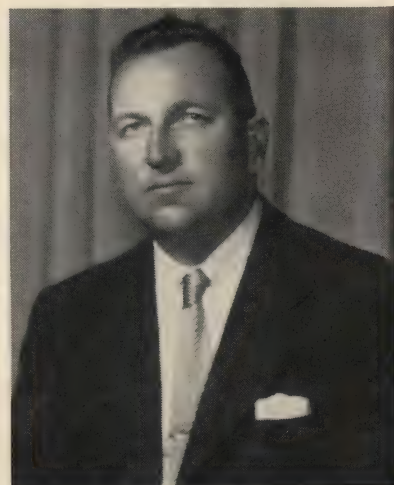
WHITE PRODUCTS CORPORATION Dept. SHG-4
MIDDLEVILLE, MICHIGAN
Please send me, without obligation, full information about Water-Hotter. Also who is my nearest White dealer?

Name _____
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City _____ Zone _____
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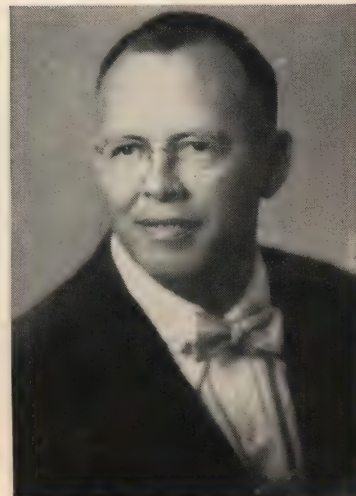
meet
our
architects

Here are pictures and stories about some of the men behind the houses, the architects who design the plans shown in SMALL HOMES GUIDE.



Architect Robert A. Green is as serious about his profession as this picture indicates. In 1952 he received the highest award of the New York State Society of Architects for one of his school designs. He has pioneered in the field of cost-saving design techniques.

Designer of our split-level, front-cover house, Architect Robert A. Green of Tarrytown, New York, firmly believes that to be successful buildings must function perfectly, must be economical in first cost and future maintenance, must be beautiful and distinguished additions to a community's architecture. Wisconsin-born Mr. Green received his education at the Milwaukee Institute of Engineering and the New York University School of Architecture.

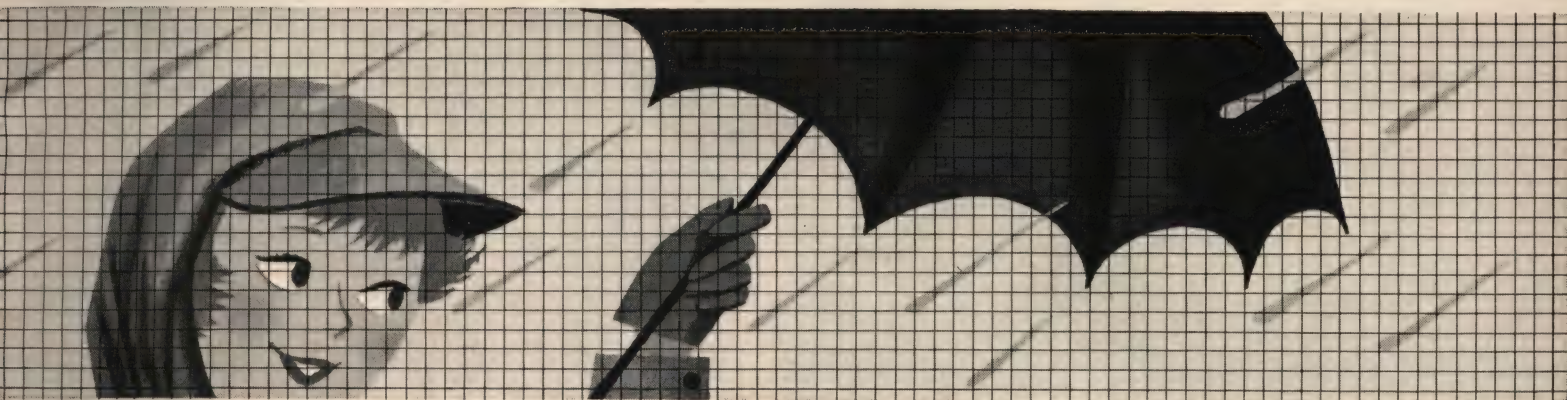


Smiling Ed Baar, a Westerner by birth and by choice, is a member of the firm of Grainger Thomas & Baar, Seattle, Washington. A youthful 41, Architect Baar has been designing residences, apartments and institutional buildings since 1938, after finishing a one-year stint as a draftsman.

A many-faceted personality is Architect Edward J. Baar. Aside from designing houses, his professional practice includes planning large structures. A graduate of the University of Washington, he is a member of AIA and Tau Sigma Delta, honorary architectural fraternity. His avocations include travel—a tour of Europe the latest—and beachcombing near his home on Puget Sound.

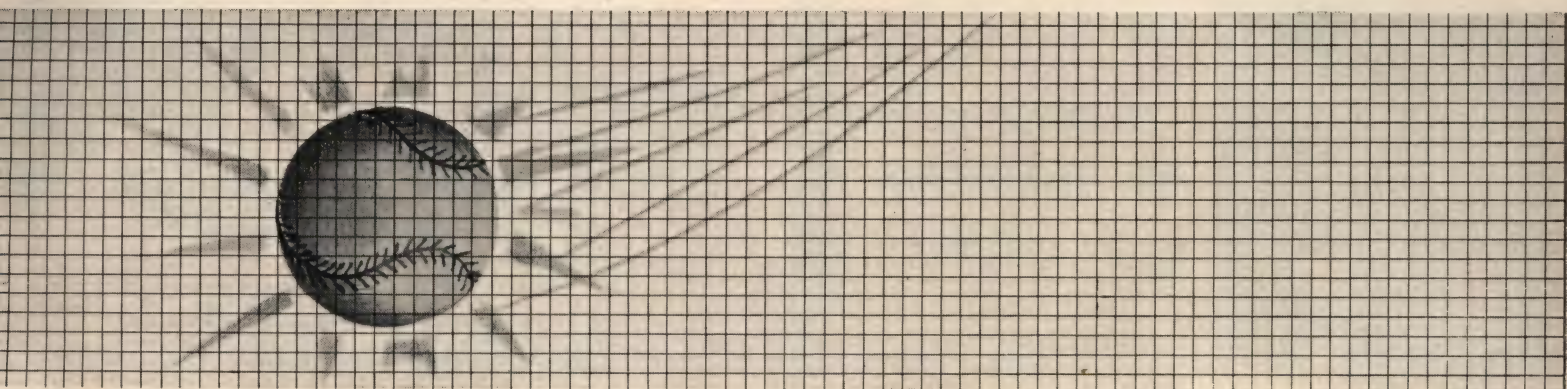
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Weather-Proof—Why settle for window screening that wears out and must be replaced every few years? New Fiberglas* Screening lasts and lasts. Neither summer sun nor winter frost can weaken it.



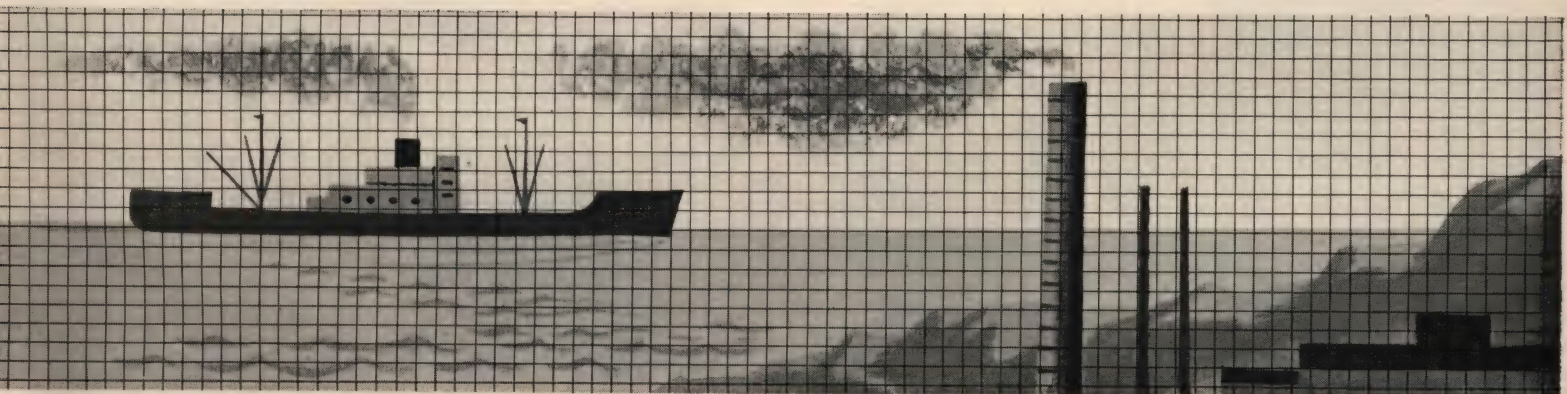
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Stain-Proof—Wonderful Fiberglas Screening simply cannot rust or corrode to cause stains on your lovely new home. And with this window screening, there's no messy painting to do . . . ever! You just put it up . . . and forget it.



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Shock-Proof—Miracle Fiberglas Screening snaps back from shocks that bulge other screenings. Pound for pound, the woven glass fibers are actually stronger than steel!



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Free Booklet—"Facts About New Fiberglas Screening" tells how the screening you choose for your new home can save you time, work and money. Why not write for your free copy now? Address: Fiberglas Screening, 598 Madison Avenue, New York 22, N. Y.

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ELECTRIC or GAS. Now, give your kitchen that distinctly custom look with Suburban Handi-Kook, the smartest styled built-in cooking units in America. Plan your own arrangement. Use as many ovens (full size), burners, or combination griddle-burners as you want... place them wherever most convenient for you. Save time, save steps... and enjoy superb cooking performance. Suburban Handi-Kook is truly a magnificent modern range—yet it costs no more than an ordinary range! Fits any standard wood or metal cabinets... may be financed as a part of the FHA home or improvement loan.

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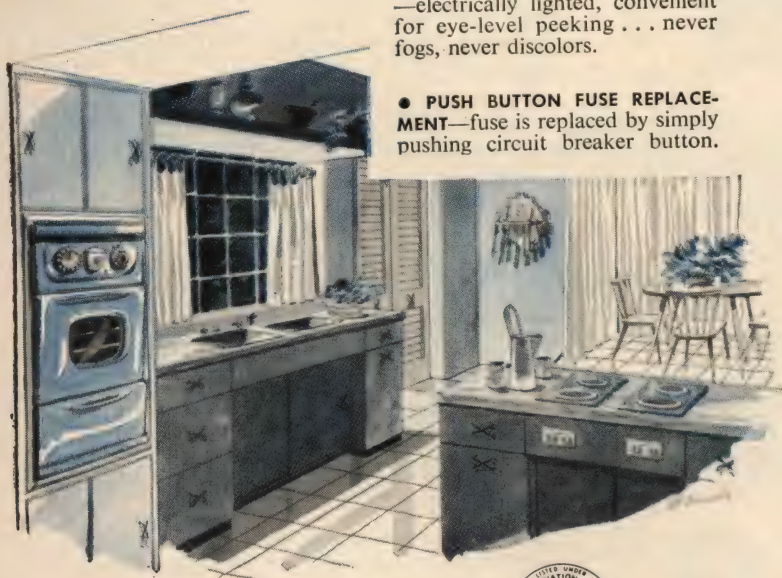
● **INTERCHANGEABLE COLORS**—only Suburban Handi-Kook gives you a choice of stainless steel or six different decorator colors—and with easily changeable oven front and surface unit trim! You can do it yourself in a matter of minutes whenever you change the color scheme of your kitchen.

● **SEPARATE AUXILIARY BROILER**—bake and broil at the same time... or use as a warming drawer. Entire unit easily removed, disassembled and washed in dishwasher!

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City _____ State _____



TRAGEDY—AND TRIUMPH

Dear Editors:

We would like to tell you how your SMALL HOMES GUIDE has helped us. Our house recently burned and we were forced to begin building our new home ahead of schedule. We ordered plans for the new home through your magazine. They came Christmas day. Thus, 12 days after our fire, we started a new house. Sure like to give credit where credit is due.

Cleatis Eueland
Carterville, Ill.

"PROFESSOR" SHG

Dear Editors:

I am teaching a college course in family housing and have found that SMALL HOMES GUIDE is more helpful in the various phases of the course than any other material I have found.

Would it be possible to secure back issues of this magazine for use in my classes? In addition, I should appreciate any material or references that you may have available that will vitalize such a course. As you probably know, reading textbooks can be very dull and boring to college students, and I feel sure you can give help in a study of current information pertaining to housing. This is the first time this course has been offered here, and we are very anxious to build up interesting material.

Mrs. Dee Stephenson Smith
Dept. of Home Economics
State Teachers College
Indiana, Pa.

(Unfortunately, most past editions of SMALL HOMES GUIDE are no longer available. In the 17 years of its existence, SHG has been called on so many times by individuals and organizations seeking reference material that supplies of all previous editions (except for those listed in the Bibliography—page 265—and Helpful Booklets section) have been exhausted. We recommend to Mrs. Smith that she acquire a library of future editions of SHG and HOME MODERNIZING. She will find many invaluable

sources of information listed in our Helpful Booklets section and Bibliography, too.—Ed.)

ECLECTICISM

Dear Editors:

The other day, as I was reading through the 31st Edition of SMALL HOMES GUIDE, I ran across a letter submitted to you by Mr. Raymond Bishop of Lowell, Massachusetts. He stated in his letter that he had incorporated different rooms to complete his floor plans.

In your remark following the letter, you had this question—"Have other readers tried it?" In my case, the answer is yes.

I have on my drawing board, in the rough stage, a combination of plan number 1304 (31st Edition) and plan number 1255 (30th Edition).

In my plan I have discarded the sleeping level of 1304 and substituted the sleeping level in 1255 (Plan 1304, a split-level, is reproduced on page 46 of this edition; 1255 is a single-floor home. Both, incidentally, are the work of SHG Architect Rudolph A. Matern.—Ed.)

Making the final plans will be interrupted by a hitch in the Army but I hope to be able to complete them on week ends, providing I'm stationed close enough to home.

After finishing my enlistment, I have the plans finished and have enough capital, I hope to build the home, doing as much of the work by myself as the law allows.

Deems B. Morton
Oceanside, Long Island, N.Y.

Dear Editors:

Here are just a few lines to let you know that your SMALL HOMES GUIDE is a very interesting magazine.

My wife and I are building home and are now in the finishing stages. I got most of the ideas and information from your 28th and 29th Editions. Although I didn't find a plan that exactly suited my location, we picked out a room here and there from your magazine and made plans of our own.

4 THINGS TO CONSIDER TO ASSURE "CITY WATER" CONVENIENCE BEYOND THE CITY MAINS...



Nothing in your new home is more vital to the health, well-being and comfort of the whole family than the water system! That's why it's so important to give careful consideration to this important purchase. While selection of the proper system is based upon certain simple principles, there are some things that the average person might overlook. So it's always wise to consult a trained water systems specialist *before* you buy any system.

However, here are some of the fundamentals that must be considered on most installations:

1. How much water do you need?

That's the first step—to determine how much water you'll need to supply two or more outlets likely to run at the same time. Allow 3 gallons per minute or 180 gallons per hour *minimum* for each. Two taps open at the same time should have a pump capacity of 360 gallons per hour. Three taps open at the same time require 540 gallons per hour—180 gallons per hour for *each* of the taps open at the same time.

2. How much water do you have?

Knowing the pump capacity you should have—you must check your water source (well, pond, spring, stream, etc.) to be sure that source can deliver all the water you need. Your pump can't deliver "water that isn't there!"

3. Where is the water located?

Generally, the depth of your water level *below* the pump determines whether you require a shallow well or deep well system. Since other factors may affect this decision, it's wise to consult your Goulds dealer on the type of system you'll need.

4. Which pump should I buy?

Unless you're an expert—let your Goulds Dealer's knowledge and experience be your guide! There are so many different models and types of *both* shallow and deep well systems, it's easy to go wrong without skilled assistance!

HOW TO CHOOSE THE WATER SYSTEM RIGHT FOR YOUR NEW HOME



See your GOULDS DEALER

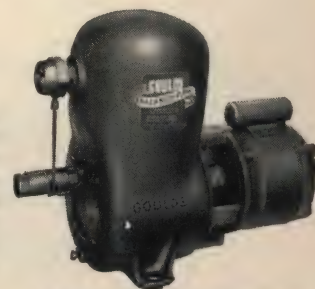
His business is helping folks plan a perfect water system, no matter how large or small the requirements, for any capacity, any pressure—from any water source. Your Goulds Dealer has the experience—and a *complete* selection of Goulds Pumps—to solve any water systems problem. See him soon—or mail the coupon for his name . . .



There's a GOULDS PUMP to fit your needs exactly!

Goulds Balanced-flow Jet NEEDS NO TANK

Enjoy features and performance found in *no other system* at any price! This amazing tankless water system gives an instant flow of really *fresh* running water, adjusts itself to deliver the exact flow you want at one or more taps *at the same time* within pump capacity. Only one moving part, *can't* lose its prime, small and compact, easy to install most anywhere. Saves on tank, fittings, installation time, too!



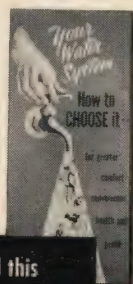
Goulds JET-O-MATIC

The famous dual service pump that's easily converted for either shallow or deep well service. Many Goulds exclusives insure longer, trouble-free life. Capacities up to 4120 gallons per hour.



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Goulds quality at *rock bottom prices!* Complete packaged systems mounted on small tanks — no extras to buy. Quicker installation means further savings to you!



Mail this Coupon for 20-page pump booklet

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Enclosed find 10c.

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Address.....

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"He
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LETTERS (continued)

We have five rooms and bath on one floor, with the garage attached.

Our living, dining and kitchen areas are made adjoining with no partitions, but we may use screens or partial partitions if required later on. We like it this way, though. We also have a full basement to be made into a recreation room when we have the time later on. We are always thankful for the practical ideas you have and are looking forward to more of the same.

Ivan Miros
Castlegar, B.C., Canada

A CRITIC IN CLEVELAND

Dear Editors:

My wife and I enjoy your magazine immensely, especially the Design section. We are planning to build in the near future, so we devour everything we see on home designing.

One small criticism, however— isn't SHG getting a little out of the idea of small homes when you feature plans of 70 and 80-foot homes? They are lovely, I'll admit, but the average reader is interested more in the 40-foot home (strictly my

own opinion). Outside of that, you're doing fine.

Cyril Zezbeda
Cleveland, Ohio

(SHG uses the findings of reader surveys as a yardstick in the selection of designs to be published. The surveys indicate that the ranch-type home, with facilities extensive enough that a 40-foot frontage is virtually impossible, is still in the ascendancy. Cheering news is that the split-level, a design that packs more living into a smaller lot area without sacrificing much of the convenience of a one-floor home, is coming into its own. You will see it featured in this edition. Also, we invite Reader Zezbeda's attention to this edition's prize-winning design. It has everything—Ed.)

LIKES PARTITIONS

Dear Editors:

... As you are so willing to consider the ideas of your readers, may I put in a word in protest of the present trend to have dining space in the living room or in an alcove of it? I cannot believe that this arrangement will be liked for long. I never see such a plan, that I think is otherwise a good one, that I do not study it to see whether the



GIVE YOUR NEW HOME THE NEW LOOK ... THE HORIZONTAL LOOK!



PETERSON Horizontal Sliding ALUMINUM WINDOWS make any home look larger, more graceful ... require less work on your part, too. Architects, builders, homeowners alike are calling for greater beauty, less maintenance, easier operation in windows. PETERSON has set the pace in the trend to horizontal sliding aluminum windows. Thousands of installations coast to coast.

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Send Coupon
Today For
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dining space could be partitioned off in some way.

W. B. Wright
Arlington, Va.

COMMENT FROM CANADA

Dear Editors:

I am writing this letter to tell you that I thoroughly enjoy reading *SMALL HOMES GUIDE*. I have found that it is the best publication of its kind available. Your *Helpful Booklets* selection is a wonderful boon for those contemplating building a home.

Michael Uhrynuk
St. Catharines, Ont., Canada

THE VALUE OF PLANNING

Dear Editors:

Enclosed you will find a *Helpful Booklets* coupon. They all sound so interesting that it was difficult to make a selection. Probably next time we'll send for those omitted now.

We some day hope to build our own dream home. Meanwhile, we're gathering information and your magazine is the main book in that ever-growing pile.

We have heard people say, "Oh, I'll do my planning when the first load of lumber arrives." Don't you

think it is cheaper to arrange and rearrange ideas with an eraser than to tear down and remodel a house during or after the actual building?

And what would be a better hobby for the whole family than planning "just how I want my workshop, kitchen, bedroom," etc.?

Mr. and Mrs. H. M. Holmberg
Kent, Washington

(We dare say the Holmbergs are a happy family; and we know they will find complete satisfaction in the home they hope to build.—Ed.)

DISAPPOINTED

Dear Editors:

We completed our *SMALL HOMES GUIDE* home six months ago, and we're still crazy about the plan. But we are very disappointed in the workmanship provided by the contractor who built our home. Already the plaster in the living room is cracked, two closet doors stick and there is a long crack in the basement wall.

Emil Carter
New York, N. Y.

(The most careful and thorough builders in the world can't prevent a certain amount of such damage to a new home. See the article that starts on page 118 for the cause.—Ed.)

Make Your BASEMENT DRY and BEAUTIFUL



This Book tells you how...

- Almost any home can have a dry beautiful basement. Build and decorate your basement according to the easy-to-follow plans and suggestions in the *MEDUSA BASEMENT BOOK* shown above.
- Tells how to build dry basements.
- Compares advantage of utility room with basement.
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New home owners save hundreds of dollars by reading the new *MEDUSA BASEMENT BOOK*. Medusa Waterproofings make basements dry for the life of the home. Medusa Portland Cement Paint for basement walls and Medusa Rubber Base Paint for concrete floors is the inexpensive way to beautify basements. Mail coupon and 25¢ today.



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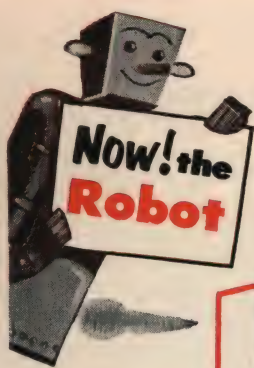
Manufacturers of gas and oil operated forced warm air furnaces and air conditioners in styles and capacities for every home heating and cooling requirement.

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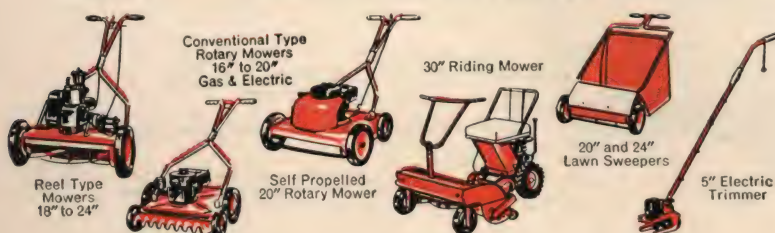
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...push button mowing
by remote control!



Like a miracle! ... you almost have to see it to believe it. Nothing could be simpler to operate—just stretch out and mow your entire lawn without pushing, without pulling, *without even touching the mower—it's effortless.* For the Homko Robot moves forward, backward, turns to the right and to the left by push buttons from the compact control panel that you hold in your hands. *It's safe . . . it's easy . . . and it's so much fun that everyone in the family will want to mow with this revolutionary Homko.* The 20" Electric Robot comes complete with all controls and cable necessary for operation and costs only slightly more than a conventional power mower.

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The setting is an important factor in enhancing the appearance of a pretty home.



RULES FOR A HAPPY UNION OF House and Lot

EVERY HOMESITE has individuality. Each has its own special features, its own defects.

If you can bring out the natural assets of the lot, while correcting obvious defects, and then build so that the house and lot form an attractive, integrated unit, you will have greatly increased the value of your property at no extra cost.

It does take wise planning in advance, and extra care at the time of construction.

Here are four suggestions for a happy union of house and lot.

1. Preserve the natural features of your land as much as possible—its desirable contours, its worth-while trees and shrubs.

Much of the value of the land can be destroyed by unwise or unplanned clearing and grading. The contractor, unless coached in advance, will often take the shortest route across the land to move his heavy machinery, trucks and materials; and he may take down trees and plants and bulldoze ruthlessly to clear space for the building operations.

How do you prevent this?

Learn the characteristics of the site before any work is begun. If you can call in a surveyor and have a contour map made, so much the better. With such a map, you can mark the location of desirable trees and shrubs, and you can decide which slopes to preserve, and where fill may be needed. After an intensive study of the site, you might even change the originally planned location of the house!

Knowing in advance where fill will be needed, you can make economical use of the earth removed from the house excavation.

After you have studied the site, discuss your ideas with your contractor. You may have to make some compromises with him so that construction won't be delayed by your solicitude for certain areas of the lot; but you certainly will be able to keep destruction of natural features to a minimum.

As an added precaution, you may wish to stake and rope off trees and shrubs to be preserved, and show boundaries beyond which the workmen should not bring machinery and equipment.

2. Put the right house in the right place on the right lot. Nothing will contribute so greatly to the success of your home-building venture as the proper matching of house and lot.

(continued on page 30)

Building, Buying, or Remodeling...

LEARN THESE FACTS NOW!

EUREKA

Williams brings low-cost automatic heating and air conditioning to the small home

THE FACTS ABOUT OIL HEAT

Now, the most advanced automatic oil heating is practical for small homes. *Metered Low Pressure*, revolutionary heating principle developed by Williams Oil-O-Matic, uses fuel so efficiently that Oil-O-Matic burners can operate on as little as 2 quarts of oil per operating hour. Oil-O-Matic units are economical from initial purchase price through a long life of big fuel savings, low service costs.

EUREKA

Williams OIL-O-MATIC AUTOMATIC OIL HEATING

with exclusive
Metered Low Pressure
principle of oil atomization
cuts fuel costs 3 ways



OIL-O-MATIC: Complete line of conversion burners, steel or cast-iron boiler-burner units, winter air conditioners.

GAS-O-MATIC: Complete line of conversion burners, gravity warm air furnaces, winter air conditioners.

AIR-O-MATIC: 2 and 3 ton capacity units for air conditioning the entire home.

THE FACTS ABOUT GAS HEAT

If gas is the fuel you prefer, the new Williams Gas-O-Matic gas equipment with exclusive *Metered Flow Pressure* offers the same fuel economy, the same long life of trouble-free service that has made *Williams* famous in automatic heating for 30 years. Precision engineering and meticulous manufacture are your assurance of dependable, comfortable gas heating at the lowest possible cost.

EUREKA

Williams GAS-O-MATIC AUTOMATIC GAS HEATING

Both Oil-O-Matic and Gas-O-Matic heating are available in a variety of units specially designed to save space in basement, utility room, or attic.

THE FACTS ABOUT HOME AIR CONDITIONING

Low cost year 'round air conditioning is ready for small homes. Eureka Williams Air-O-Matic summer cooling performs all five important air conditioning functions: cools, filters, dehumidifies, circulates air through the house, adds ventilation when necessary. Installed with a Williams Oil-O-Matic or Gas-O-Matic forced warm air system, it gives ideal year 'round air conditioning at very low cost.

EUREKA

Williams AIR-O-MATIC AUTOMATIC HOME AIR CONDITIONING

For installation with Oil-O-Matic, Gas-O-Matic or other forced warm air heating systems.



EUREKA

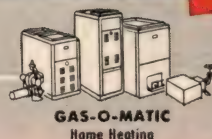
Williams AUTOMATIC HOME COMFORT

... a complete line of compact oil and gas units for small homes ... plus low-cost summer cooling units for year 'round air conditioning

See Helpful Booklet
Listing No. 194



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Bloomington, Illinois

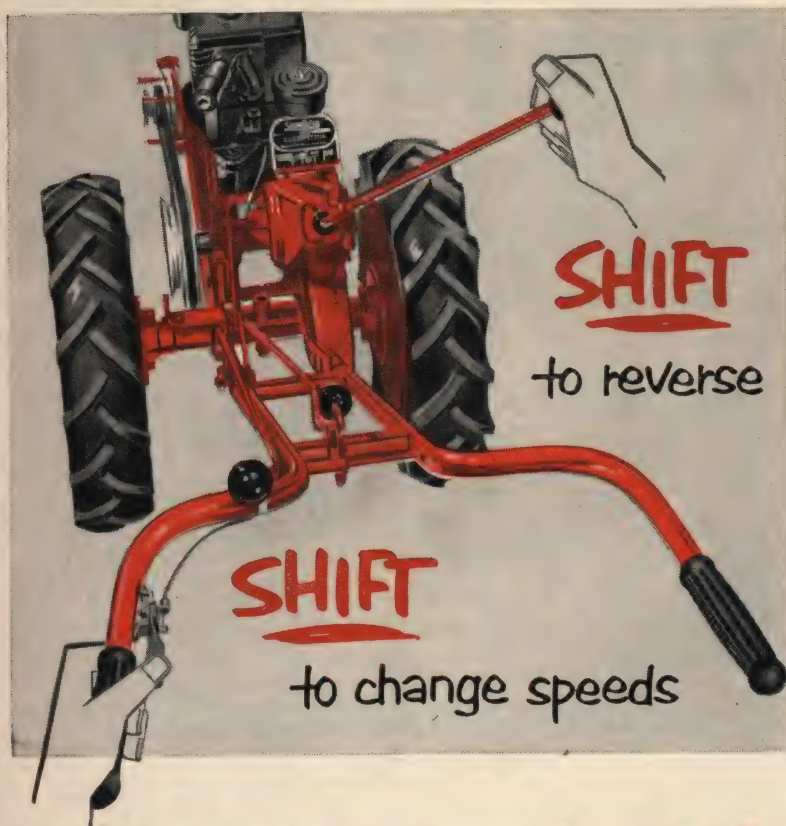


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City _____ State _____ SMG-4

Only **Simplicity** gives you positive gear drive with Lever Gear Shift!

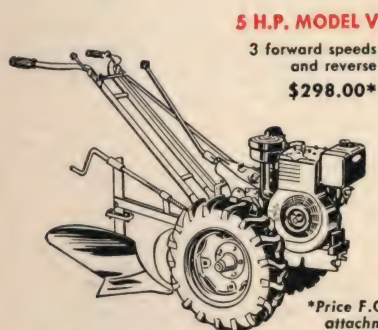


NEW FOR '54! Simplicity 2½ h.p. model F
with Lever Gear Shift, 6 forward speeds and
Reverse . . . only \$199.50 F.O.B. Factory, attachments extra

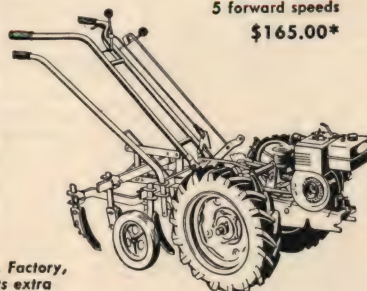
In its price and horsepower range, Simplicity is the only garden tractor to provide positive gear drive with lever gear shift . . . instant selection of all forward speeds and reverse . . . plus dozens of other features. Like the patented "Quick-Hitch" for less-than-a-minute implement changes without tools; year-round utility with economical, easy-to-use attachments; elimination of all excess weight and bulk; precision construction

field-tested for endurance and dependability.

Before you buy any garden tractor, compare price . . . compare performance . . . compare feature for feature — and see why Simplicity stands alone as America's biggest garden tractor value . . . easiest-to-own, easiest-to-use garden tractor on the market! Ask your Simplicity dealer for a demonstration — he's listed in the yellow pages of your telephone book.



5 H.P. MODEL V
 3 forward speeds
 and reverse
\$298.00*



2 H.P. MODEL L-1
 5 forward speeds
\$165.00*

*Price F.O.B. Factory,
 attachments extra

America's NO. 1
Line of Garden
Tractors and
Implements

Simplicity

In Canada, sold
 exclusively by
T. EATON CO. LIMITED
 CANADA

Write for new **FREE** catalog

Simplicity Manufacturing Company, 5412 Spring Street, Port Washington, Wis.

RULES FOR A HAPPY UNION

It is hard to draw any hard-and-fast rules about how this should be accomplished, but some of the pitfalls are fairly obvious. For example, if the lot is high to begin with, it isn't good to add more height with a tall house. A rambling, spread-out design will hug a hilltop and seem more at home on the lot.

A low house, on the other hand, shouldn't be placed between tall neighboring houses as they will dwarf the new structure and shut out light.

The house should not perch on the front of the lot, with no setback. If possible, the house should not be placed in dead center, chopping up all the remaining land so that there are no large areas for development as a garden or outdoor-living center.

One way to place your home accurately on the lot is to cut a piece of cardboard representing the house, on the same scale as the contour map; then move the cardboard around, taking into consideration neighboring buildings, drainage features, the trees and shrubs you wish to preserve, and other factors, until you have found the best location.

3. Orient the house to cooperate with nature. Across most of the United States, this means a combination of controls to insure breezes and shade in summer, sunshine and shelter in winter.

Orientation is a detailed and exact science, but your contractor should have at least a rule-of-thumb acquaintance with it, and below are a few general rules to guide the home planner in most regions of the United States.

A deep roof overhang on the south side of the house will shade the interior when the sun is high in summer, but will allow the lower winter sun to shine in.



So you're thinking about
garage doors . . .

Elegant simplicity is the keynote of the How-ell-dor . . . the economically priced garage door everyone looks at twice and likes at once. Durable construction along trim, modern lines, the How-ell-dor is equally at home with both traditional and contemporary architecture.



Building . . . remodeling . . . ?
 Include a How-ell-dor in your plans for utmost satisfaction. A distinctive style for every purpose . . . "feather-touch" Uplift door action . . . quality workmanship . . . and the new How-ell-tite track . . . underscore the superiority of America's finest garage door.



Write for **FREE** Literature and name of your nearest dealer.

So easy to install! A simplified, illustrated Instruction Sheet accompanies every How-ell-dor.

The Howell Manufacturing Co., Hasbrook Ave. and Jefferson St., Philadelphia 11, Pa.

OF HOUSE AND LOT

Plantings—or a garage—on the west side of a home will protect against summer afternoon heat. The northwest direction can be screened against winter winds, using evergreen trees, high ground, a garage—or, if it can be arranged, the house next door. Large glass areas are most suitable on the south side of the home. Smaller windows are desirable on the north; and west windows require adequate shading or protection from the summer afternoon sun.

4. *Use every inch of your lot. In general, a lot has three major areas: public, facing the street; service, usually facing the side; private, at the rear.*

The modern trend is to make greater use of the private space at the rear of the lot for outdoor living and the overflow of family activities.

The sharp line of demarcation between indoors and outdoors is disappearing. Large glass areas are going to the rear of the house, facing a view that the homeowner himself can control. Glass doors allow movement in and out without blocking the view. Don't waste your land. Excessive building setbacks are generally a waste of land—unless part of this usually public area can be made private by tall fences or high hedges.

Off-street parking is considered essential for every lot, but a long driveway from the street to a garage at the rear can be a serious waste of land and money on a small lot. The remedy is to locate the garage forward as much as possible, compatible with the over-all home plan.

By good planning and the use of fences, trees, hedges and vines on trellises you can get privacy within your lot lines and use every inch of your lot to good advantage.

IF YOU PLAN TO BUILD OR BUY A RANCH HOUSE

... Be Sure To Ventilate the Roof Overhang with "MIDGET" LOUVERS

Proper ventilation of this "dead-air space" prevents the accumulation of heat and moisture... thus maintains the efficiency of insulation, eliminates paint blister, and combats rot. Always remember: dry wood does not decay.

Midget Louvers provide proper ventilation—easily, inexpensively. These rust-proof all aluminum louvers are quickly installed by anyone; stay on the job forever without attention. Your lumber, hardware or paint dealer stocks Midget Louvers in 2 types and 7 sizes.

"A House That Breathes is a Better House"

ASY INSTALL! No nails or screws necessary.

Cut a hole PUSH IN

Midget Louver Co.
6 Wall St., Norwalk, Conn.

Send me free folder on how proper ventilation will prevent paint blistering and decay.

Name _____

Address _____

City _____ Zone _____ State _____



no matter how hot it gets...

It's a Cool, Cool Wonderful World when you Comfort-Condition your home! Now you can enjoy fresh, cool, invigorating air through the hottest days and nights. For modern air-moving units have made stuffy, uncomfortable homes a thing of the past. Room air conditioners, floor and window fans, kitchen and attic ventilators and a host of other air-moving units are yours for an investment of only pennies a day — and they pay big dividends in health, vitality and solid comfort for the whole family...

Though Torrington makes no air-moving units, Torrington fan blades and blower wheels are used on America's finest equipment, identified by the Vairified Tag • For happier, better living, send 10¢ to Box 808-S, Torrington, Conn., for our big book, "How to Have Comfort From Moving Air".

THE
TORRINGTON
MANUFACTURING COMPANY
TORRINGTON • CONNECTICUT
VAN NUYS, CALIFORNIA • OAKVILLE, ONTARIO

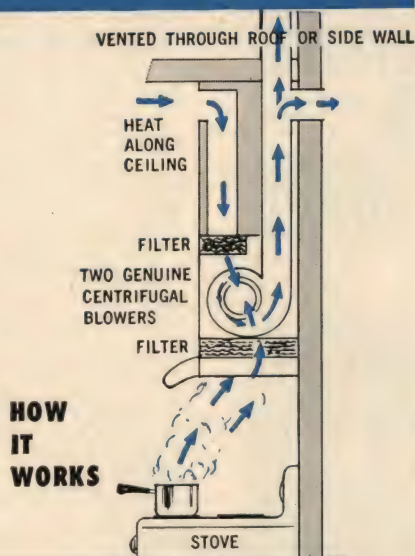


HERE'S THE DIFFERENCE!



...A TRADE-WIND VENTILATOR

The most efficient way to keep your kitchen cool, clean and odorfree. Improved, scientific ventilation eliminates cooking heat and odors from the kitchen and the entire house. Get a Trade-Wind and get the best.



TRADE-WIND MOTORFANS, INC.
5701 S. MAIN ST., LOS ANGELES 37, CALIF.
Please send me information on Trade-Wind ventilation for
(☐) Kitchen (☐) Bath
NAME _____
ADDRESS _____

so you're going to build...



**Here is what
you're getting into**

The average man, faced for the first time with the many complex problems—technical, legal, financial—involved in building his dream house, can be excused if he asks himself, "What am I getting into?"

At a casual glance, the problems appear to be overwhelming. But mere common sense will carry the average prospective home builder past the pitfalls and around the minefields. If proof of this statement is needed, just reflect that each year hundreds of thousands of plain John Doe citizens build new homes.

It is not important to know all about building, banking or law. It is important to know enough to get what you want from the specialists.

Where Do I Begin?

Sooner or later in your dream of a home you reach the point where you decide to go ahead. The practical question then arises: "Where do I begin? Which of the many problems involved do I tackle first?"

You must start with a plan—a specific plan of a specific house.

It may be a sketch of the layout of your dream house, with some of the details penciled in; or it may be a full set of blueprints, with detail drawings and full specifications.

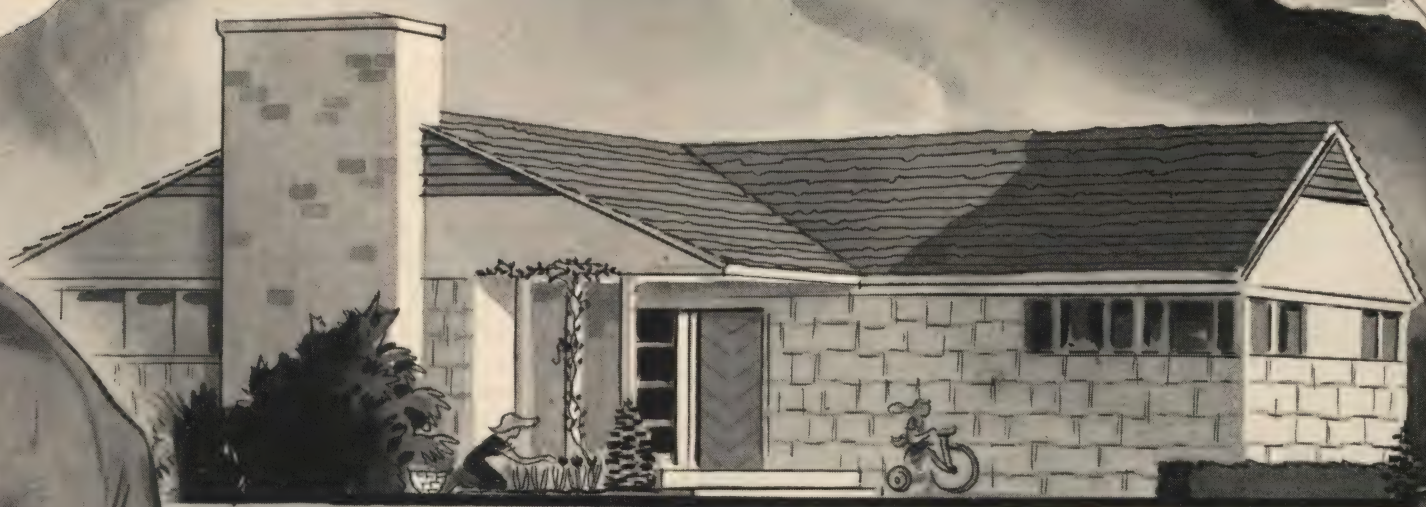
Where Do You Find Such a Plan?

First, by consulting home planning magazines—like *SMALL HOMES GUIDE*—for a complete roundup of the best in today's homes. Read all you can get, and form some fairly specific ideas about the home you want.

By a comparison of house plans conveniently put before you, you will come to certain definite conclusions about the style of

(continued on page 34)

Wrap your home in **Silvercote**[®] REFLECTIVE INSULATION



...the "SILVER LINING" that's
FUNDAMENTAL AS THE FOUNDATION
in the construction of a comfortable modern home

You wouldn't have a home without a foundation—nor would you have one without Silvercote, if you ever lived in one that had it.

You see, with Silvercote you get balanced insulation, because you can control the flow of radiant heat up and down and all around. In winter this means *more comfort from less fuel*, as Silvercote reflects *back into your home* radiant heat attempting to escape. In summer your home stays *up to 15° cooler*, as Silvercote reflects *back outdoors* sun-generated heat rays attempting to enter.

There's nothing quite like Silvercote. Its polished reflective surface will not interfere with radio or TV reception. It's non-corrosive, mold-resistant; costs only a little more than ordinary sheathing paper. Available in rolls, and on brand-name blanket insulation.

Silvercote[®]
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THE FLINTKOTE
COMPANY



BIRD & SON

See it at your local building supply dealer—just ask for the Silvercote

"Silver Lining"

For FREE descriptive literature write

Silvercote Products, Inc. 161 East Erie St., Chicago 11, Ill.

BLUEPRINT FOR THE BEST HOT WATER SERVICE FOR YOUR FAMILY!



SPECIFICATIONS:

Completely automatic water heaters, gas and electric, to meet any modern family's requirements!

DATE:

This year and for the years ahead!

CHECKED BY:

Thirty-five years of experience in building superior water heaters!

DESIGNED BY:

Toastmaster's Specialized Water Heating Engineers.

CAPACITIES:

Four styles and 18 models. Electric: 30 to 120 gallons in both round and easily-installed tabletop models. Gas: 20 to 45 gallons.

APPROVED BY:

Thousands of American families who now own Toastmaster Water Heaters!

COST: Lower than ever!

REMARKS:

Ask your Toastmaster Water Heater dealer to show you the well-known Toastmaster* features, and to give you details about the famous Toastmaster Service Warranty!

TOASTMASTER

AUTOMATIC WATER HEATERS

5201 W. 65th Street, Chicago 38, Ill.

*"Toastmaster" is a registered trademark of McGraw Electric Co., Chicago, makers of "Toastmaster" toasters, "Toastmaster" water heaters and other "Toastmaster" products. Copyright, 1954.

HERE IS WHAT YOU'RE GETTING INTO

(continued from page 32)

architecture you prefer, the number and placement of rooms, and other basic matters.

Consider all these plans in the light of your own requirements and what you think—this early in the project—that you can afford. How big a house? How many bedrooms? How many baths? Where should the kitchen face?

Decide between basement and nonbasement. Do you want a fireplace? Should the garage be attached or separate, with a connecting breezeway?

If you look over enough plans, you are bound to come across one that will sing out, "I'm the house you want."

How Much Would My House Cost?

You won't *really* know how much your dreamed-of house will cost until you have bids on the house plans back from the contractors. Then you can add in the cost of the lot, together with legal fees, mortgage service charges and other expenses.

But you can get a *rough estimate* of the cost by ascertaining—from a lender, contractor, architect or real estate man—what it costs per square foot to build a house in your area. In high-cost building areas, such as the nation's big cities and suburbs, this figure runs to as much as \$15 or \$16 a square foot; it can be considerably less in towns and villages, and in southern and western states where homes need not be built to withstand severe winters.

Incidental legal and financial fees and charges can run as high as \$500; they may be considerably less, depending on local circumstances.

Thus, if you are planning a home with 1,000 square feet of floor space in a \$15-a-square-foot building area, the basic home will cost you \$15,000. If the lot costs \$2,500, and you add in \$500 for incidental costs, you will end up with an \$18,000 expenditure.

(It is to be emphasized here that these are crude figures, given merely for purposes of illustration; and they may not be at all typical of costs in your particular area.)

Can I Afford It?

To answer the next question, "Can I afford the home I want?" you will have to ask yourself first, "How much of a down payment am I prepared to make?"

The difference between your down payment and the total cost will be represented by a mortgage; and you must be able to afford the monthly payments on the mortgage, plus a reserve for taxes and insurance.

Once upon a time a man was considered to be doing wisely if he kept his home cost to a figure no larger than two and one-half times his annual income. Thus, with an income of \$6,000 a year, a man could presumably afford a \$15,000 home.

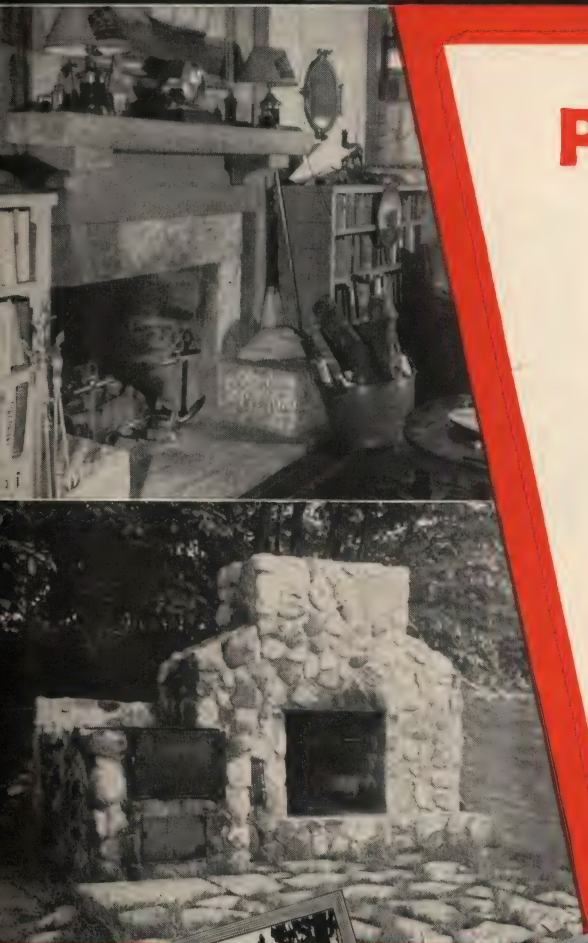
But today's yardstick is: Mortgage payments should be 20 percent of a man's income—and certainly not more than 25 percent—and that includes principal, interest, taxes and insurance.

That means if you earn \$6,000 a year—that is, \$500 a month—you can afford to pay between \$100 and \$125 a month into your mortgage-tax-insurance account.

On a 20-year mortgage, at 5-percent interest, you will repay:

- a \$12,000 loan at \$79.20 a month, plus taxes and insurance.
- a \$13,000 loan at \$85.80 a month, plus taxes and insurance.
- a \$14,000 loan at \$92.40 a month, plus taxes and insurance.
- a \$15,000 loan at \$99.00 a month, plus taxes and insurance.

(continued on page 262)



PLAN YOUR fireplace

WITH FULL INFORMATION

Are you interested in an indoor or outdoor fireplace? — or the new practice of locating outdoor cooking units in recreation room or enclosed porch for year-around barbecue joy? . . . Perhaps your wish is maximum heat, in which case you will be delighted to learn of the Donley Heatsaver Fireplace that combines the charm of an open fire with the efficiency of a small furnace, circulating heated air from outlets at convenient locations . . . whatever your fireplace interest, you will find information and enjoyment in the two books shown below. The Donley Book of Successful Fireplaces, 76 pages, packed with pictures, information, designs. Chapters on planning, building, operation, correction of faults. Also Fireplace History. Brief chapter on outdoor fireplaces . . . The Donley Outdoor Fireplaces, 32 pages, concentrated on barbecues and garden fireplaces, with complete working drawings.

WHICH BOOKLET SHALL WE SEND?

Check No. 1, enclosing 50 cents (U. S. stamps accepted), and you will receive The Book of Successful Fireplaces, 76 pages, more than 300 pictures, plans and diagrams, dealing with both indoor and outdoor fireplaces. For completer information on outdoor fireplaces, send 25 cents and check No. 2. If interested in both books, send 75 cents and check No. 3.

MAIL THIS COUPON NOW!

THE DONLEY BROTHERS COMPANY

13944 Miles Avenue

Cleveland 5, Ohio

Enclosed find 50 Cents for Indoor Fireplace Booklet - - - - No. 1 ☐

Enclosed find 25 Cents for Outdoor Fireplace Booklet - - - - No. 2 ☐

Enclosed find 75 Cents for both Booklets - - - - - No. 3 ☐

Check
Booklet
Wanted

Name _____

Street & Number _____

City & Zone _____ State _____



Cool Your Home the



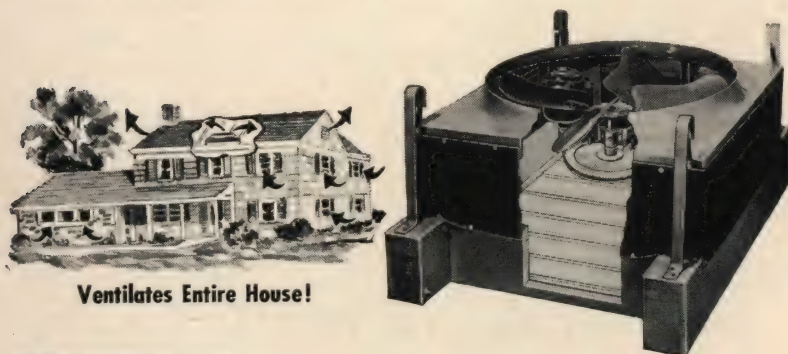
Choose a... **CHELSEA FAN**

Plan now to cool and ventilate your home the natural, healthy way at lowest possible cost!

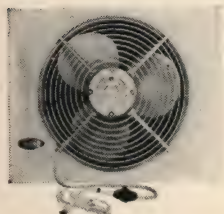
A Chelsea attic fan draws in fresh, outside air—expels hot, stuffy air—changes air completely every minute . . . Spring mounting gives quiet, vibrationless operation . . .

Uses little electricity—practically no maintenance—easy to install . . . Same fan adapts to vertical or horizontal installation.

Everything needed complete in one package!



Ventilates Entire House!



WINDOW FANS

For individual room ventilation and cooling or for a small home, Chelsea has a complete line of window fans. 7 models; sizes; 12" to 30"; 2-speed; exhaust or electrically reversible. Adjusts to fit any standard window.

WRITE FOR BOOKLET

Chelsea has a fact-packed booklet covering the location and operation of fans, proper size selection and installation methods . . . *Send for it today!* Please enclose 10c to cover handling and mailing charges.



CHELSEA FAN & BLOWER CO., INC.
PLAINFIELD • NEW JERSEY

doing your own work?

You'll Need These Tools

A CERTAIN NUMBER OF TOOLS and a minimum familiarity with their use are essential for the prospective homeowner if he expects to do some of his own work.

Below are pictured several hand tools (and two items of power equipment) with which the handy homeowner or planner can do several jobs around the house. Altogether and unduplicated, they number about 30 items—the home arsenal, available to polish off a variety of projects.



ROUGH CARPENTRY WORK, such as framing a house, requires several basic tools. The portable power saw shown here will do the work of a handsaw with a fraction of the time and effort; but a handsaw also is advisable. Also needed are a couple of saw horses. Included in the picture are a carpenter's large square, carpenter's level, crowbar, hatchet, hammer and rule, chalk line.



ROOFING with asphalt shingles will require only a handful of tools. The line can be stretched across the roof and leveled to mark the first line of shingles; and it can be placed across again, from time to time, to check on the straightness of succeeding rows. The linoleum knife is for trimming shingles around roof openings and at ends.

(continued on page 43)



\$4 A WEEK* (even with no down payment) gives you a quality American-Standard bathroom like this. The bathtub is made of rigid cast iron with a thick coat of smooth enamel . . . the lavatories and toilet are of genuine vitreous china. There are six decorator colors as well as white for you to choose from.



\$4 A WEEK* (even with no down payment) puts this ever-new kitchen in your home. It's "ever-new" because it's the only kitchen that has shelf and drawer arrangements that can be changed at any time to meet your needs. All-steel cabinets and rigid cast-iron sink make this an efficient, easy-to-keep-clean kitchen.

Installation



AMERICAN-Standard

Building home and industry: AMERICAN-STANDARD • AMERICAN BLOWER • CHURCH SEATS & WALL TILE • DETROIT CONTROLS • KEWANEE BOILERS • ROSS EXCHANGERS • SUNBEAM AIR CONDITIONERS



\$2.06 A WEEK* is the cost of baseboard heating panels for an average six room house. These hot water heating panels replace wooden baseboards and old-fashioned, bulky radiators . . . take little space, and may be painted. These—plus an American-Standard boiler for oil, coal or gas—give you carefree comfort.

Put "money in your pocket" by installing the best equipment— **American-Standard**

WHETHER you are building or modernizing, be sure to specify the finest bathroom, kitchen and heating equipment—be sure to specify American-Standard. All American-Standard products are made to give you years and years of good service, and also add a lot of extra re-sale value to your property should you ever want to sell.

Let your American-Standard retailer help you select the right equipment for your home—and be sure to ask him about easy payment terms. He's listed in the yellow pages of your phone book. In the meantime, mail the coupon below with 10¢ to cover handling for a helpful book of home building and decorating information. **American Radiator & Standard Sanitary Corporation**, Pittsburgh 30, Pennsylvania.

**MAIL this coupon
TODAY ►**

PLEASE PRINT

American-Standard
Dept. CC-44, Pittsburgh 30, Pa.

Please send me your new HOME BOOK. I enclose 10¢ in coin for handling. I am interested in:

☐ Bathrooms ☐ Kitchens ☐ Heating

NAME.....

STREET.....

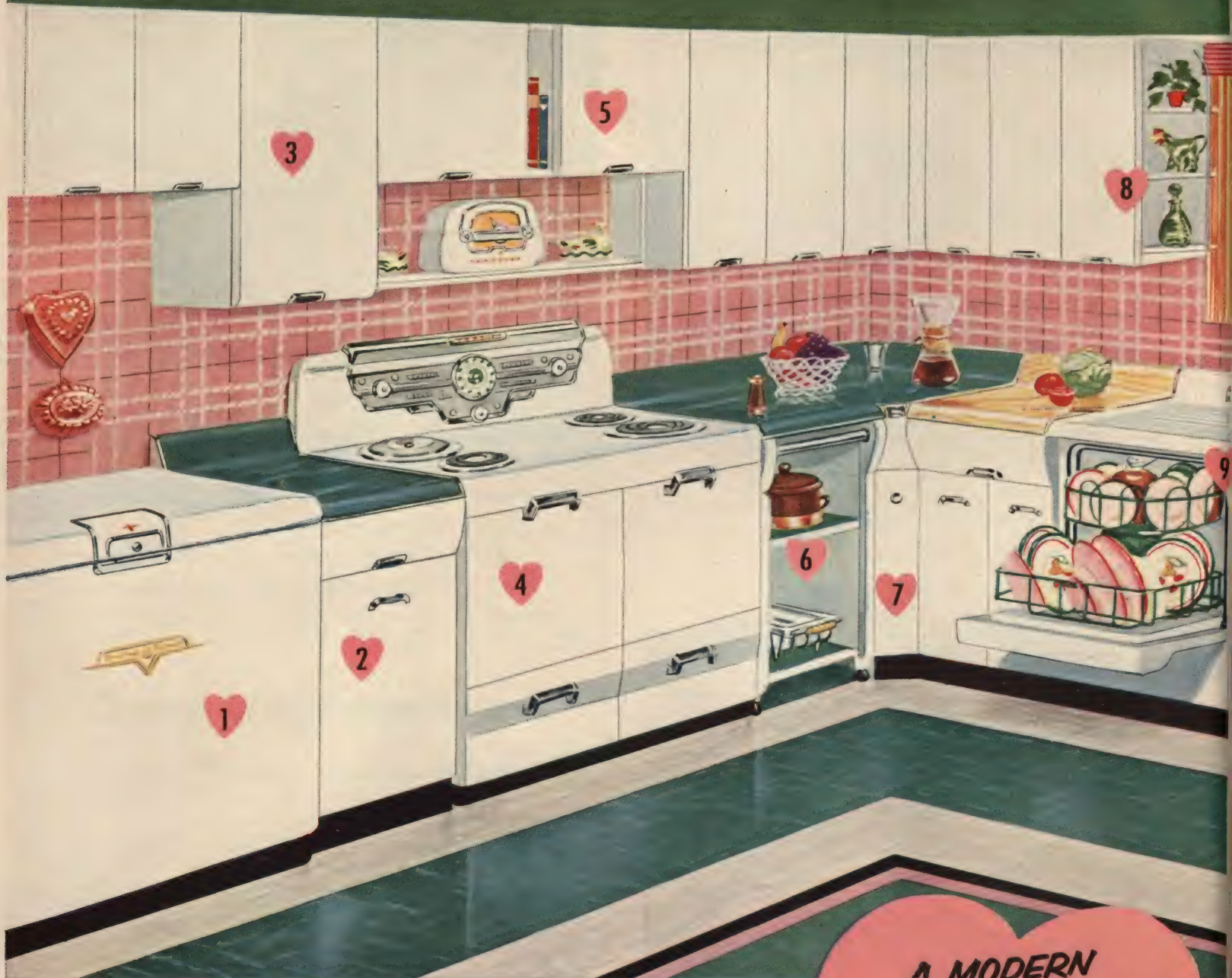
CITY.....

COUNTY.....STATE.....

If you live in Canada, send to: Standard Sanitary & Dominion Radiator, Ltd., Box 39, Station D, Toronto.



A Care-Free Kitchen is the Heart of



CROSLEY MATCHING CABINETS, APPLIANCES AND ACCESSORIES MEAN YOU HAVE MORE LEISURE FOR PLEASURE!

Yes, it's a perfect *joy* to have a Crosley Kitchen—because every single item in it has been designed to *save you work* and *give you pleasure*! The famous Crosley Shelvador® Refrigerator (CAF-125) with its Deep Door Design puts 89% of food at your finger tips. The Crosley Electric Range bakes best by *actual* test—surface units give you *seven* heat speeds (instead of five as on most ranges). The Crosley Shelvador® Freezer has shelves *on the lid*

and freezes faster at below zero temperatures. And the new Crosley Automatic Dishwasher-Dryer with the Revolving SwirlClean Tray gives you the newest and best way to do dishes. Matching Base and Wall Cabinets, Crosley's *step-saving* Sink, and delightful accessories that furnish extra shelf space and convenience—complete the kitchen perfect for you. See the Crosley Kitchens at your Crosley Dealer—or send coupon for free booklet.

**A MODERN
ALL-ELECTRIC CROSLEY
KITCHEN CAN BE
YOURS ON TERMS
TO SUIT YOUR
BUDGET!**

CROSLEY

**BETTER PRODUCTS FOR
HAPPIER LIVING**

CROSLEY

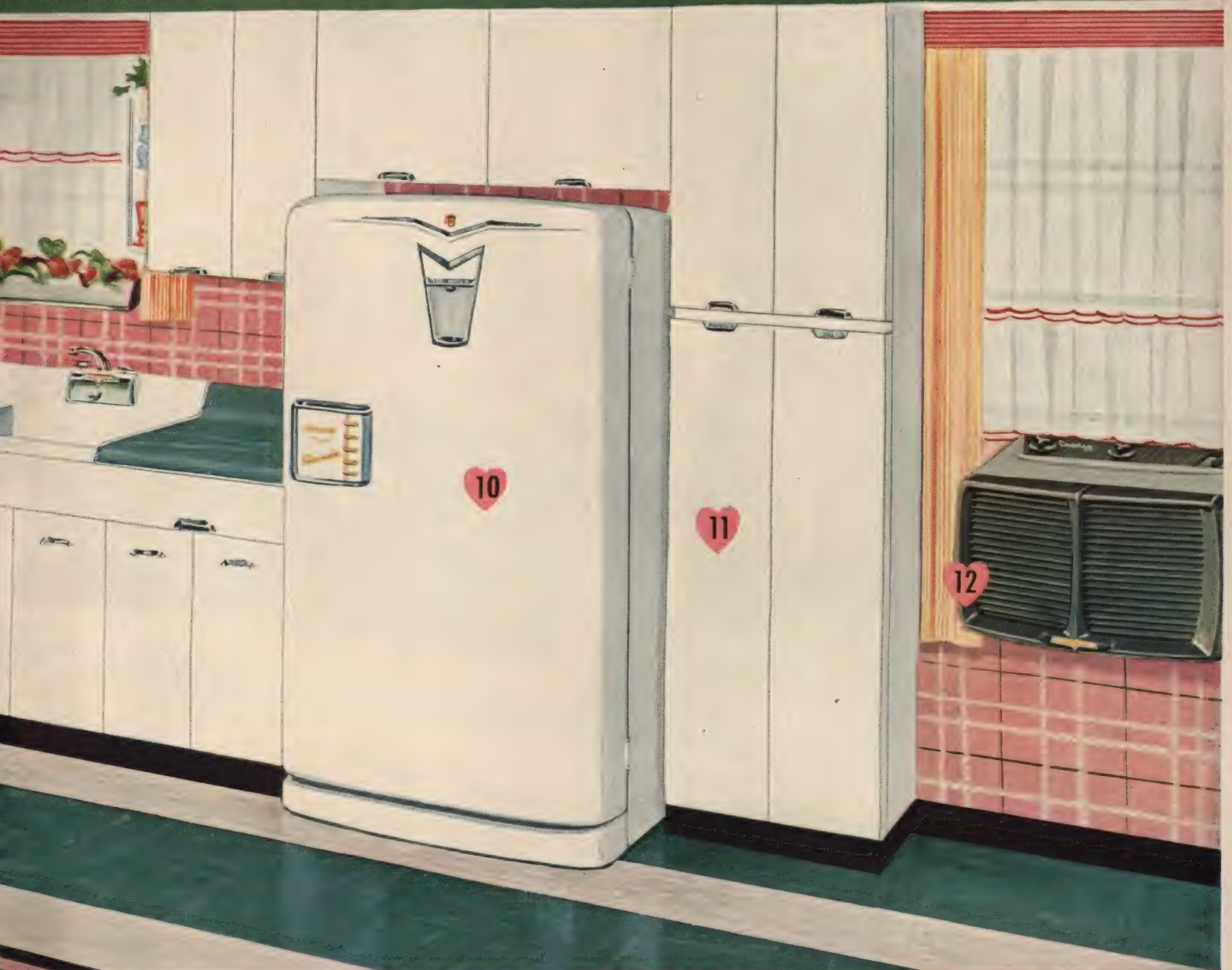
Appliance and
Electronics Division



Cincinnati 25, Ohio

Shelvador® Refrigerators . . . Shelvador® Freezers . . . Automatic Dishwashers
Steel Kitchen Cabinets . . . Sinks . . . Food Waste Disposers . . . Electric Water Heaters
Electric Ranges . . . Room Air Conditioners . . . Radios . . . Television

Your Home... **SO SET YOUR HEART ON A Crosley!** *Crosley!*



**You can install your Crosley Kitchen
All at once — or an Item-At-A-Time***

1. Crosley Shelvador Freezer, the only freezer with shelves on the lid—almost doubles "top-level" space.

2. Crosley Base Cabinets with Vinyl plastic tops in choice of colors. Maple cutting board available.

3. Crosley Wall Cabinets offer finger-tip storage. Comes to fit your wall space. Convenient Corner Cabinet.

4. Crosley Electric Range with new "Bake-Best" controls and new Push-button controls. *Better than ever!*

5. Range Pantry for condiments, spices, staples, cookbooks and kitchen radio.

6. Silent Server—movable work- and serving-table.

7. Crosley Corner Base Pantry with revolving shelves.

8. "What-Not" shelves provide attractive extra space and a "finish" for both Wall and Base Cabinet ends.

9. Crosley Dishwasher-Sink Combination. Revolving SwirlClean Tray gets dishes *really* clean!

10. This new Crosley *Super* Shelvador Refrigerator—the only refrigerator with exclusive Deep Door Design, actually puts 89% of all food right at your finger tips!

11. Utility Cabinet for your brooms and other cleaning materials.

12. Room Air Conditioner with Crosley Climate Timer . . . cools and shuts off *automatically* as needed.

Crosley Electric Water Heater (not shown) gives you all the hot water you need, all the time—*automatically!* Round or Table-Top models.

Crosley Food Waste Disposer (not shown)—fits all Crosley Sinks and practically all others. Gets rid of food waste before it becomes garbage.

*Ask your Crosley Dealer about the Crosley Add-An-Item Plan.

**Send for Free Booklet that
shows you how to plan your own
CROSLEY COMPLETE KITCHEN**

Dept. SH-44
Crosley Appliance and Electronics Division
AVCO Manufacturing Corp.
1329 Arlington Street
Cincinnati 25, Ohio

Please send me your free booklets
about Crosley Kitchens.

Name

Address

City

State

see these and many other colorful projects in . . .

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now on sale at leading newsstands.*

How to make your house a 1954 home . . .

Homeowners' Clinic . . . Scrapbook of

Ideas . . . Children . . . Outdoor Living . . .



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INSIDE+OUTSIDE+ALL AROUND THE HOUSE



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☐ Please rush me a copy of the current edition
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Picture your rooms with the distinction of real wood paneling

Here are 2 of the many beautiful Weldwood products which can give your home a rich, custom look at a surprisingly low cost.

Not so long ago wood paneling was a luxury only the very wealthy could afford. Now you can have exotic Honduras mahogany, West African Korina®, American oak, walnut or pine—scores of other real wood panels—at sensible prices.

Weldwood gives you *Plankweld*® in any of 5 beautifully pre-finished woods; and patented *Weldtex*®—the wood with unique grooves which add new depth. Any United States Plywood or U. S.-Mengel showroom—or most lumber yards—can show you the vast assortment of other beautiful Weldwood panels.



A 16' living room wall, 8' high can be paneled with Weldtex like this for less than \$38! Weldtex needs practically no maintenance and does ordinary wall surfaces. It's easy to handle, comes in 4' x 8' panels, 5/16" or 3/4" thick. Finish it natural, paint it or stain it. Goes directly over studs or over plaster or other materials.

Weldwood® —REAL WOOD FOR BEAUTIFUL HOMES

All Weldwood Paneling for interior use is unqualifiedly guaranteed for the life of any building in which it is installed.



A subtly beautiful wall of Honduras mahogany Plankweld, 13 feet long (or even longer, allowing for doors, windows or fireplace) can be yours for approximately \$79. Each package contains ten 8-foot pre-finished panels 16 1/4 inches wide. Real mahogany in your home gives you lifetime beauty and durability... and a natural charm.



Give your "forgotten ceiling" a new personality with Weldtex squares, pre-cut in 12", 16" and 24" sizes. Use it for interesting wall treatments, too.



Edge-grooved Plankweld fits snugly over special metal clips supplied in each package. All you need is a saw, hammer and nails to do an expert job.



There's a Weldwood Building Product for every part of the home: doors, roof sheathing, built-ins, interior walls, siding, sub-flooring, bathrooms and kitchens, concrete forms.



United States Plywood Corporation
Box 61, New York 46, N. Y.

SHG-4-54

Please send 20-page, full-color book "Beautiful Wood for Beautiful Homes—with Weldwood." Enclosed is 10¢.

NAME.....

ADDRESS.....

CITY.....STATE.....

The new Trane Baseboard Convectors brings you "Hidden Heat" . . .

Now! A modern, beautiful way to heat your new home



You might never notice the new TRANE Baseboard Convectors that heats this beautiful room. It's part of the wall. Painted

to match. Inconspicuous. And that's why it's so beautiful . . . a design that matches (never mars) the beauty of your new home.

Check these facts about this new Trane way to heat before you invest in any system!

Here's true perimeter heating! Gently moving heat spreads uniformly along virtually every inch of outside wall space. No cold corners! No overheated areas. New TRANE Baseboard Convectors surround you with even, overall heat. Block chilling wall and window drafts forever.

Costs no more! The new TRANE Baseboard Convectors can be installed so easily, so fast, that the initial cost is low. Copper and aluminum heating element heats quickly, saves on fuel bills.

Provides complete freedom for room arrangement. Never in the way of furniture. Draperies hang straight to floor.

Designed to match (never mar) the beauty of your home. You simply paint it to match the walls. Clean. Inconspicuous.

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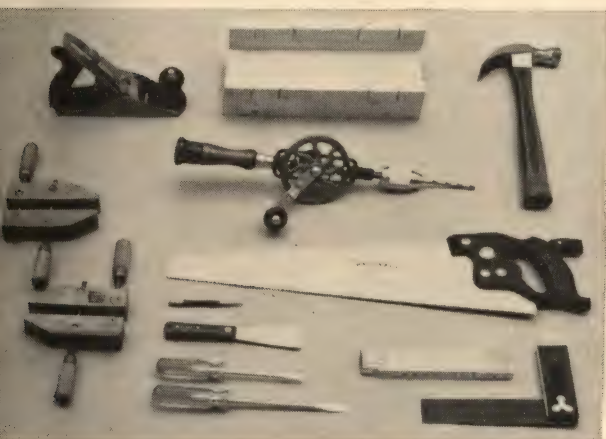
YOU'LL NEED THESE TOOLS (continued)



HARDWARE installation is simplified with the proper tools—those pictured above. Brace and bit and the keyhole saw will take care of larger openings; also required are hammer and rule, wood chisels, screw drivers and breast drill.



FINISHING CARPENTRY calls for a miter box (to insure square cuts and 45-degree angles), plane, carpenter's small square, hammer and rule, nail set (for sinking nail heads below the wood surface), putty knife (to fill holes), keyhole saw and fine-tooth saw. A bench saw, optional, is a good investment if you expect to do a great many projects.



BUILT-IN CONSTRUCTION is related to both cabinet work and finishing carpentry, and to a considerable extent duplicates the tools of the latter. Required are the miter box, hammer and rule, fine-tooth saw, carpenter's small square, breast drill, plane, nail set, putty knife, screw drivers and glue clamps (to hold glued woods together until set).

(continued on page 267)

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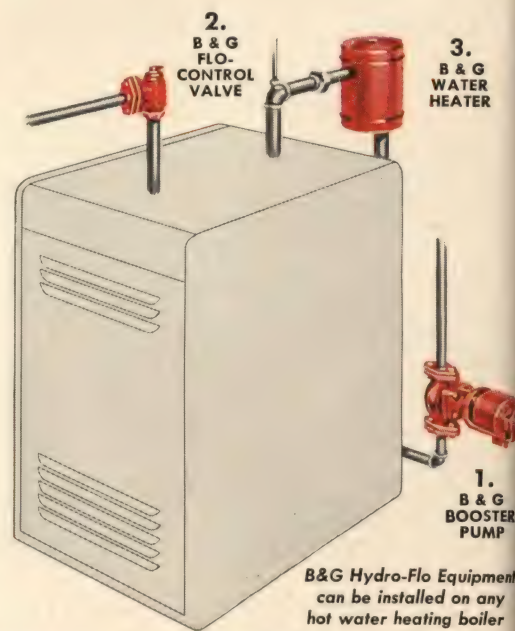


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The Case for the Split-Level House

THE SPLIT-LEVEL house—a type of plan first created as a solution to the specific problems of a sloping lot—has met with spectacular public approval. Not since the early days of the one-story ranch house have architects seen such a wave of spontaneous popularity for any particular type of design.

The architects and editors of *SMALL HOMES GUIDE* feel that such popularity is justified, for the split-level home has singular advantages over any other type, the principal one being that it gives the homeowner the convenience and livability of an all-one-floor home at roughly as low a cost per square foot of floor space as the two-story house.

To understand how this is possible, one must know what the split-level is. One architect describes it as “a ranch house, half of which has been raised six steps.” In other words, the split-level usually has four different levels, each separated from the next by about six steps.

More All-Purpose Space Available

With a split-level plan, it is possible to have half again as much all-purpose space as in a ranch house of the same outside dimensions. The diagrams on this page show how that is possible. Figure A shows a basic ranch house—one story with a full basement. The area marked **1** is the living room-dining room-kitchen area, usually referred to simply as the “living area;” area **2** is the bedroom-bathroom section; **3** and **4** are the basement, the uses of which are rather limited because of the lack of natural light, the possibility of dampness and relative inaccessibility.

Figure B shows a simple split-level house with the same over-all dimensions and the same space designations as the ranch house. The living area, **1**, is in the same position—slightly above grade; **3**, six steps lower, is slightly below grade; **2** is six steps above **1**, and **4** is six steps below **3**.

Better Use of Lower Levels

How does this home offer more living space than the ranch house? The answer is that area **3**, being six steps higher than it would be in a ranch-house plan, is now completely livable space, suitable for any use, rather than a basement with limited possibilities. The split in levels makes it possible to give area **3** windows that are $3\frac{1}{2}$ feet or more in height, so it is no longer dark; the possibility of moisture penetrating its walls or floor has been decreased significantly and, because it is only two or three steps below grade, it is now easy to enter from the outside as well as from the inside.

Area **4**, still a basement almost entirely below grade, lacks light—so it is a natural place for dead storage and the home's heating plant and perhaps such special functions suited to the

space as dark room, root cellar and others.

Area **3** is ideally located for use as a recreation area or family room, workshop, laundry or garage. One split-level plan in the 31st Edition of *SMALL HOMES GUIDE* (see next page) used almost all of this level as a huge recreation room opening onto a sunken garden.

For two reasons, area **3** is also an excellent location for a service entrance. The rise in level to the living area keeps service-entry mess out of that part of the house; and its proximity to the grade

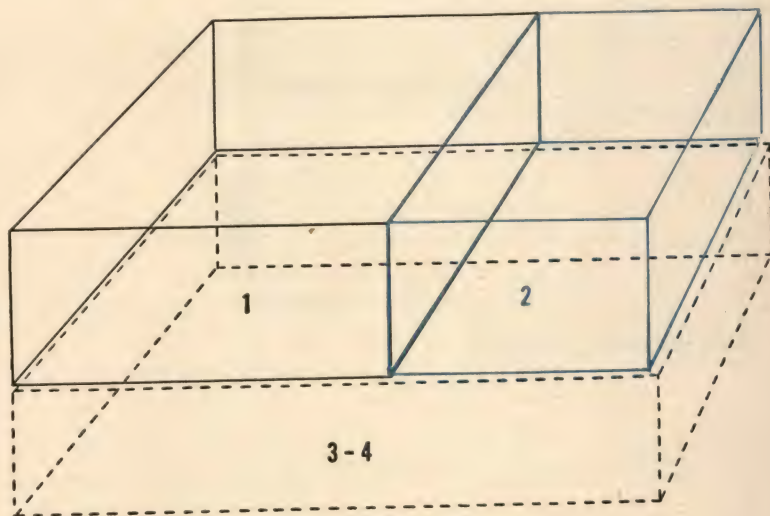


FIG. A—THE RANCH HOUSE

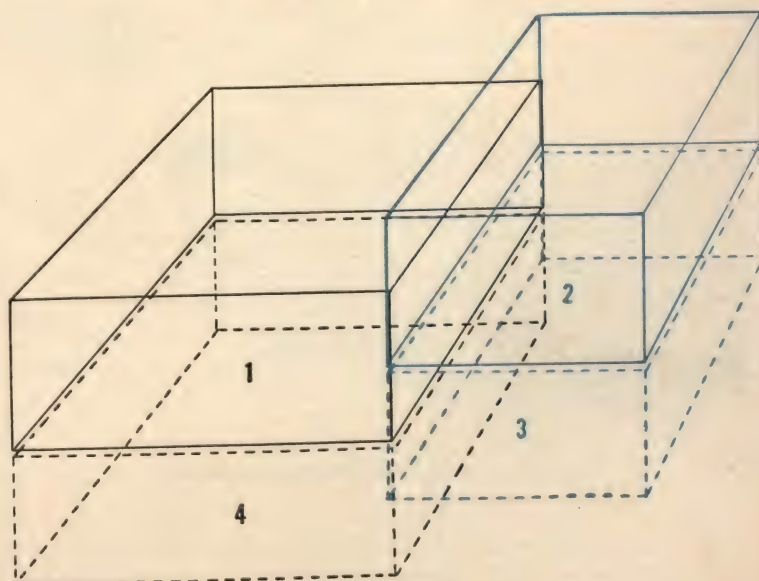
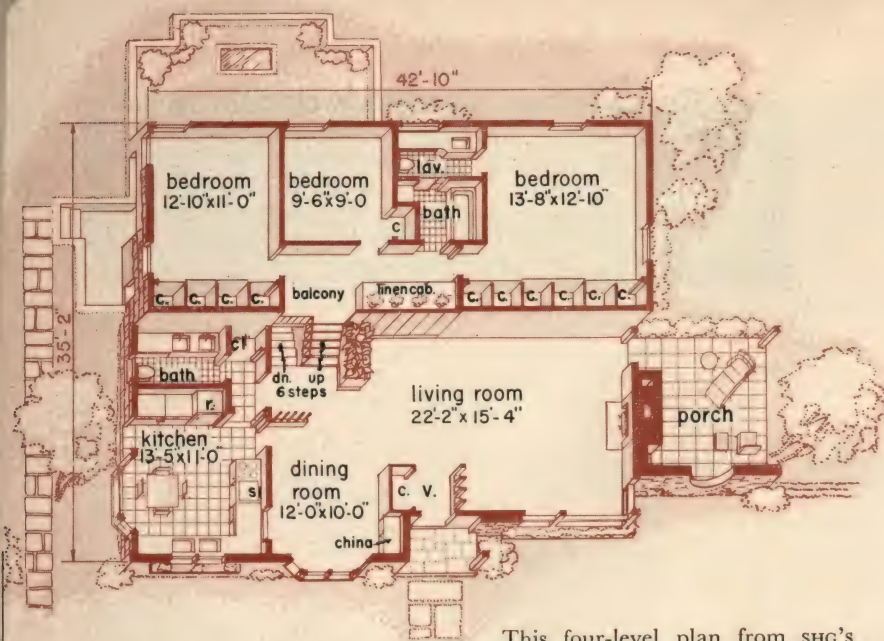
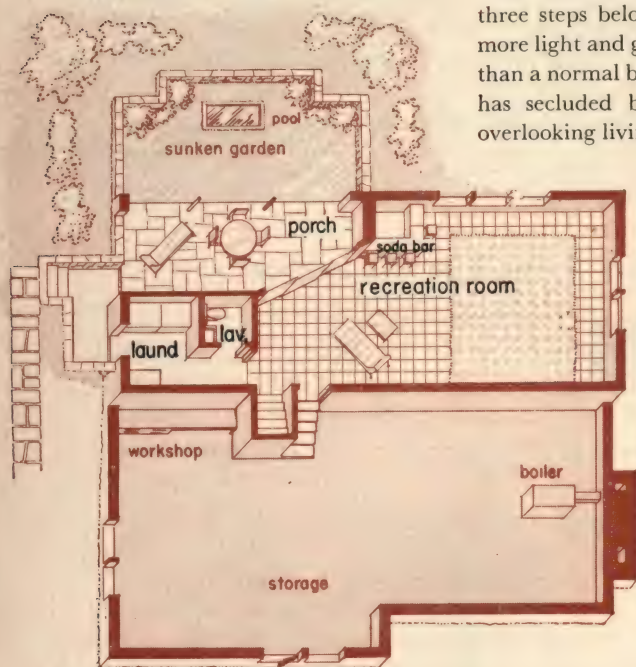


FIG. B—THE SPLIT-LEVEL



This four-level plan from SHG's 31st Edition, designed by Architect Rudolph A. Matern, illustrates the many advantages of split-level planning. The recreation area is only three steps below grade, thus has more light and greater accessibility than a normal basement. Top level has secluded bedrooms, balcony overlooking living room.



level makes it readily accessible from the outside. With the proper facilities, it is a good place for incineration of garbage and rubbish and storage of fireplace wood as well. Some split-level plans provide wood storage space with a two-way opening—one door on the service level and another opening into the living area beside the fireplace—so that wood need not be carried through the house.

The living area in Figure B is in the same position in relation to the grade level as in either the traditional ranch or two-story home. The sleeping area, being slightly elevated, has an atmosphere of greater seclusion from the rest of the house and security from the outside than are found in a one-story home. It is possible to have higher-than-normal ceilings in the living area if the roof there is at the same level for the entire width of the house (and for a really big house a second bedroom level could be added directly above the living area).

Cost Advantage in Garage Location

The split-level home's cost advantage over the traditional one-story house is increased considerably if the garage can be made a part of the level that is slightly below grade, as it is in many

plans. Another saving lies in the fact that the split-level requires less land than a one-story home providing the same amount of livable space. That makes it possible, too, that the site will require less investment for sidewalks, lawns, driveways.

On the other hand, if the same amount of land is used, the split-level house can be located for greater privacy than the one-floor type.

Especially Suited to Sloping Terrain

The new design is particularly good for sloping terrain, where both levels 1 and 3 can be ground floors (and where even level 4 can be used for many purposes not practical in a normal basement), or for rock or soil with an excessive water problem, when the lowest level can be omitted.

Here are other points that architects cite in favor of the split-level design:

It tends to look bigger than a ranch home because of the vertical portion, yet retains the long, ground-hugging appearance that is impossible in a two-story dwelling.

Stair placement is extremely flexible; the fact that there are usually only six steps to a stairway makes it possible to place the stairs in any part of the house, wherever it is best for appearance and convenience. There is no need to place them side by side. The stairs actually can become a dramatic decorative asset—by projecting an open stairway into a room, for instance.

Easy to Expand—With Fifth Level

The design has unique expansion possibilities if so planned that a fifth level can be added directly over the living area, six steps higher than the bedrooms, as the family increases. Local conditions may, in fact, make it advisable to combine two alternatives to the basic split-level plan—leaving off the lowest level and building on a higher level.

Entrances can be made more dramatic by providing a 1½-story foyer if the entrance is at or near the garage level. Similarly, it is possible to have interesting split-level rooms with their own six steps, such as a combination living-recreation room occupying a part of both levels 1 and 3; it's also possible to make a hall, connecting rooms on one level, a balcony overlooking another area. Commonly the passageway connecting bedrooms on the upper level, for instance, is a balcony along one side of the living room.

The design section of this edition of *SMALL HOMES GUIDE* contains five excellent examples of the best in split-level planning, including the design chosen for special treatment as our front-cover house. The cover painting shows how the difference in levels can go a long way toward making an outdoor living area interesting and inviting.

The group includes both three and four-level homes. In each plan you will see many of the advantages previously mentioned and other individual bonuses made possible by the flexibility of the split-level design.

Many Recreation Rooms

Most plans of this type, you will notice, contain recreation rooms and other special-purpose areas; the availability of three completely livable levels gives plenty of space for such rooms. Another feature the plans have in common is the presence of extra bathroom facilities. In the split-level, it is desirable to have a half or full bath on each level; the greater the distribution of bathroom facilities, the less necessity for stair climbing. Even where all stair travel is only in half flights, its reduction is desirable wherever possible.

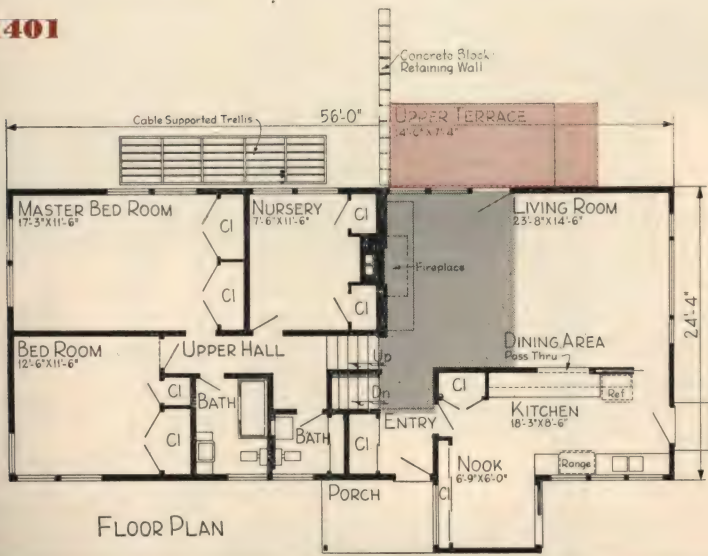


■ Living-room fireplace is located between stairs and doors to terrace.

FRONT COVER HOUSE— A PERFECT PLAN FOR THE YOUNG FAMILY



1401



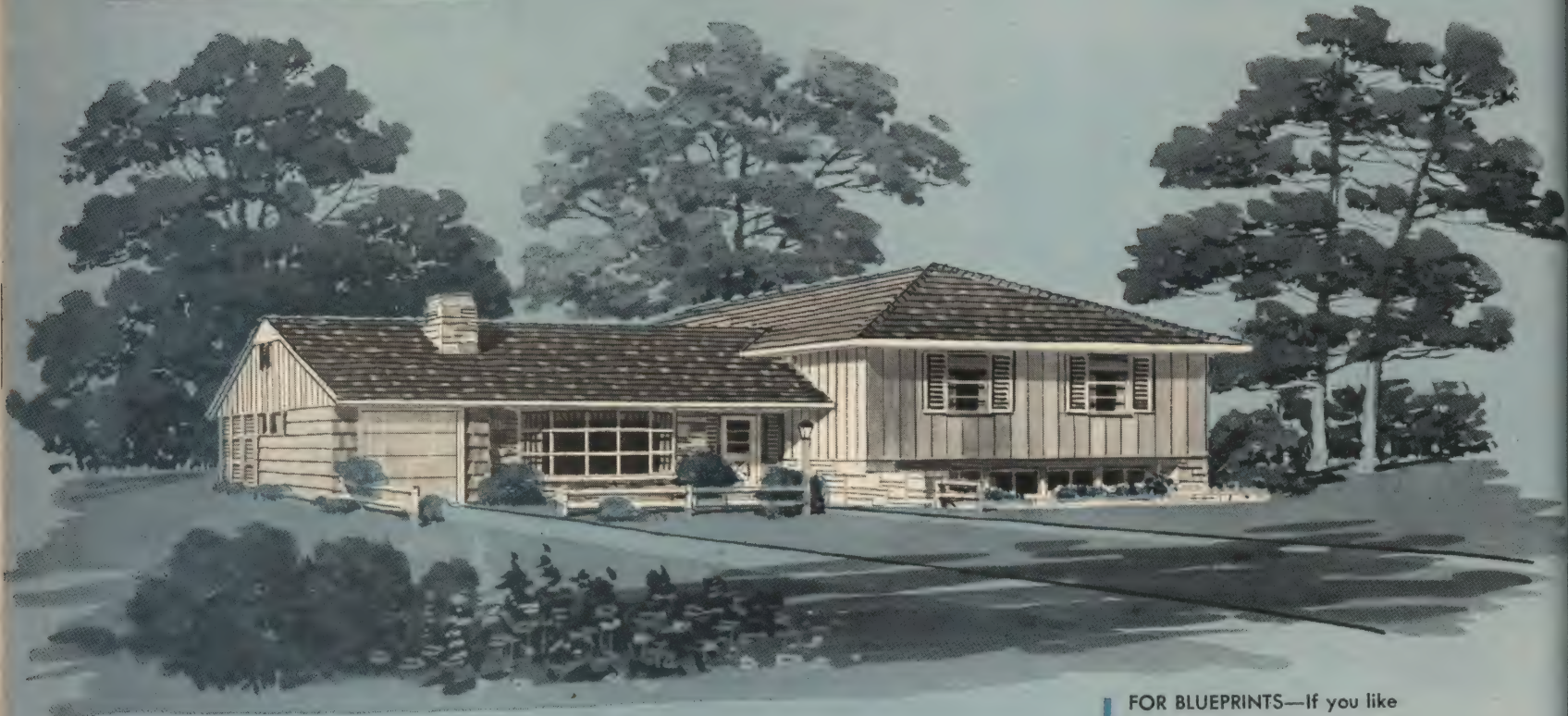
THIS HOME, FEATURED ON OUR FRONT COVER, is perfect for the young family. It is a split-level design, with its three principal areas well divided. Children playing in the big recreation room won't disturb adults in the living room, nor will children in bed be bothered by activity on either the living level or recreation level. The bath-and-a-half arrangement on the sleeping level avoids traffic jams. Architect Robert A. Green even created a split-level terrace to follow sloping terrain; the two terrace areas are accessible from the living room and the recreation room. The plan has big closets throughout, a well-arranged kitchen with a pass-through for serving in the dining room, and a second half bath on the lower level. **Above-grade area is 1,416 sq. ft.**



■ The upper terrace, with doors leading to living room. Lower terrace, shown on front cover, is beyond retaining wall at right.

SPLIT-LEVEL HOMES

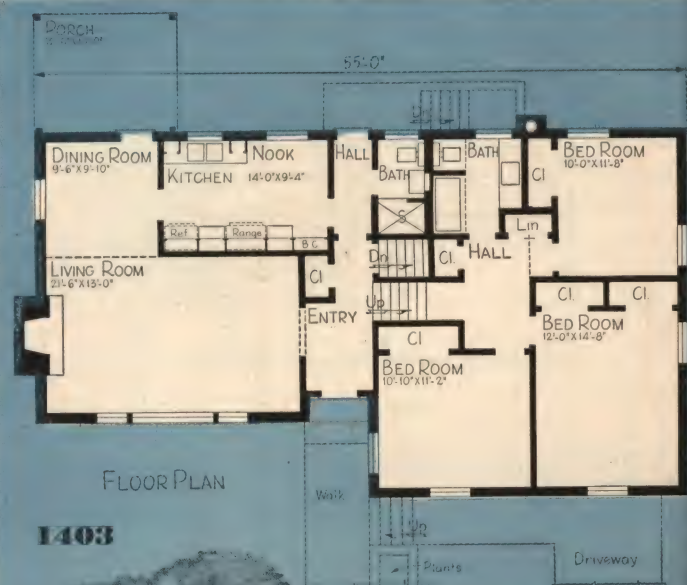
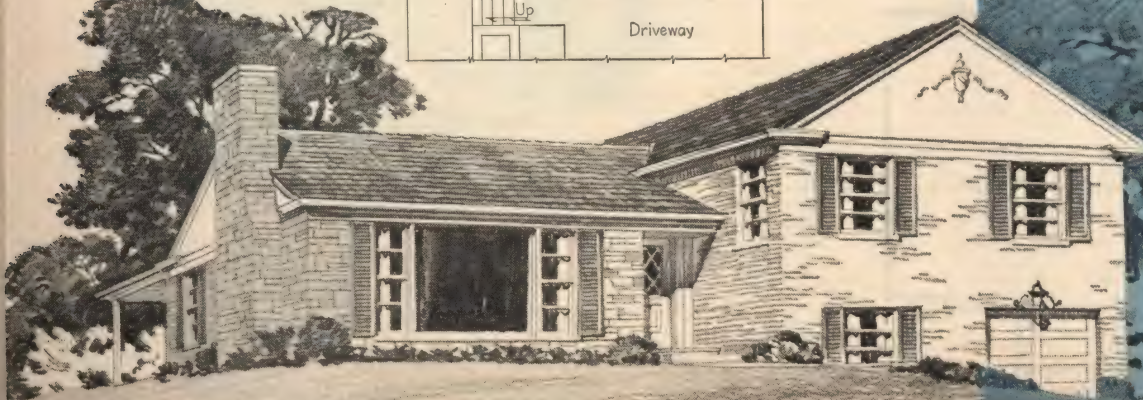
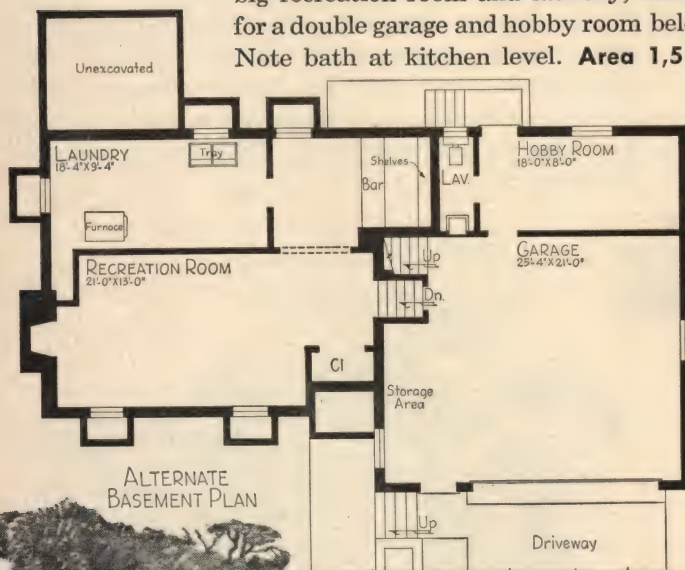
A HOME WITH TOUCHES OF LUXURY



FOR BLUEPRINTS—If you like any of the designs in these pages and want further information, consult the list of plan sources on page 85.

THREE OR FOUR LEVELS

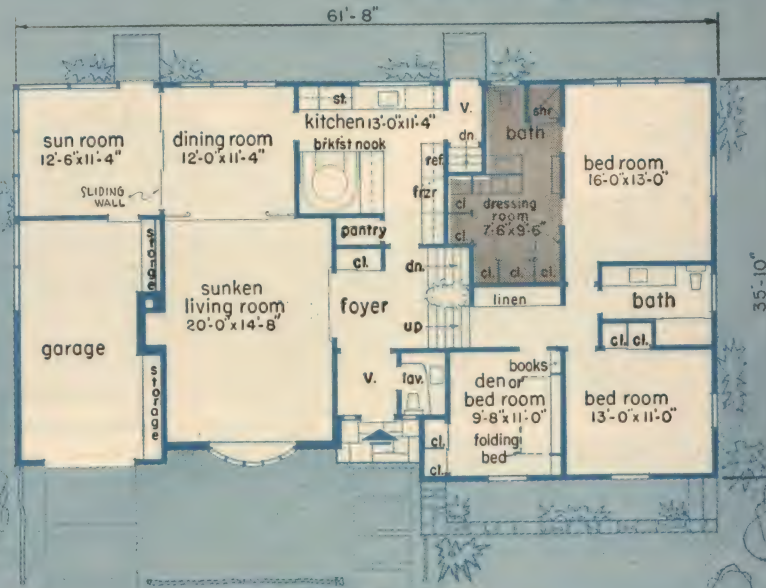
EITHER THREE OR FOUR different levels can be used from this plan by Architect Erwin H. James. The alternate fourth level provides for a big recreation room and laundry, leaving room for a double garage and hobby room below grade. Note bath at kitchen level. **Area 1,513 sq. ft.**



■ The dressing room on the bedroom level is a glamorous spot—as see here from the bathroom.

1402

MANY LUXURY FEATURES have been included in this plan by Designer Edward R. Tyler—the swank dressing room, sun room, sunken living room, two and a half baths, big soda bar and others. Den doubles as third bedroom. Four levels. Area is 1,779 sq. ft.



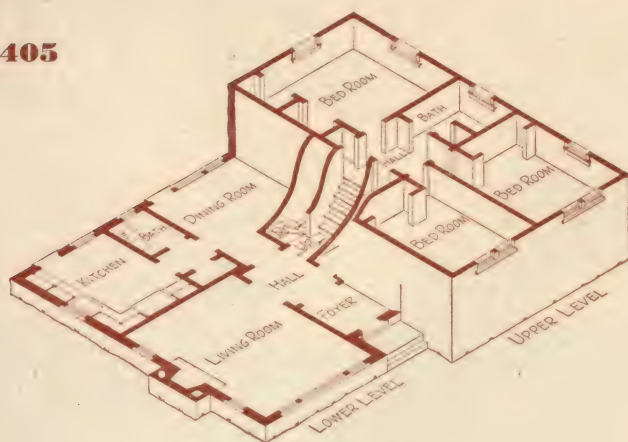
1404



PLEASING EXTERIOR LINES, OPEN PLANNING

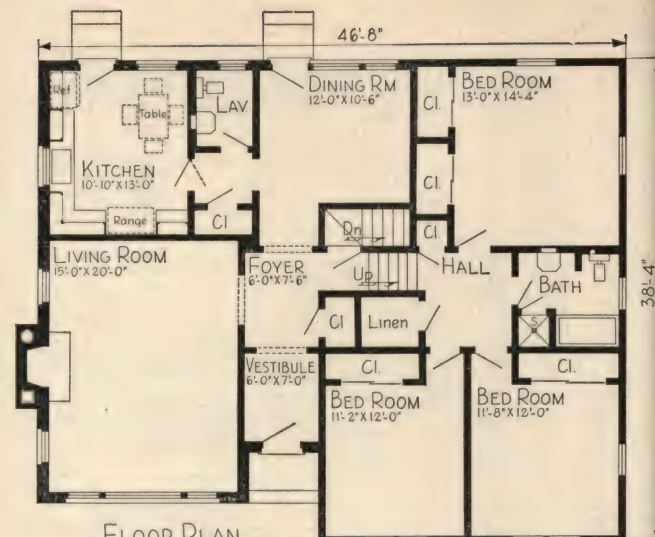
DESIGNER RICHARD B. POLLMAN uses the split in levels in this house to good advantage from an exterior view. Lines are pleasant, modern. The big fireplace offers virtually the only division of areas on the main level. The U-shaped kitchen is well placed in relation to the nook. Living room windows are huge. 1,440 sq. ft.

1405

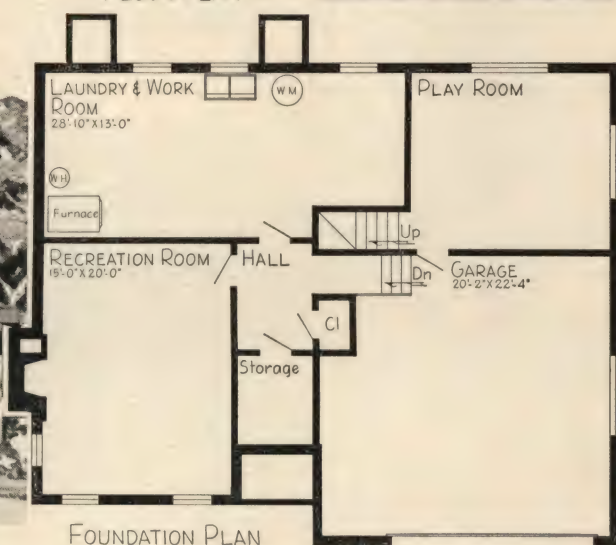


ANOTHER SPLIT-LEVEL DESIGN

READERS SEEKING INDIVIDUALITY will like this three-bedroom, 1½-bath split-level plan by Architect Arnold Schaffner. Bedrooms are all good-sized, with liberal closet space. Half bath is well located. Playroom and recreation room are luxury touches. **Total living area, 1,692 sq. ft.**



FLOOR PLAN



FOUNDATION PLAN

YOU CAN GET BLUEPRINTS

If you want more information about any of the designs in this section, consult the design source on page 85.

LIVING KITCHEN AT FRONT, LIVING ROOM AT REAR



DESIGNER RICHARD B. POLLMAN puts a spacious living kitchen at the front of this plan, the living room at rear. There are 2½ baths, lots of closet space, efficient work areas. **Area 1,648 sq. ft.**

1406

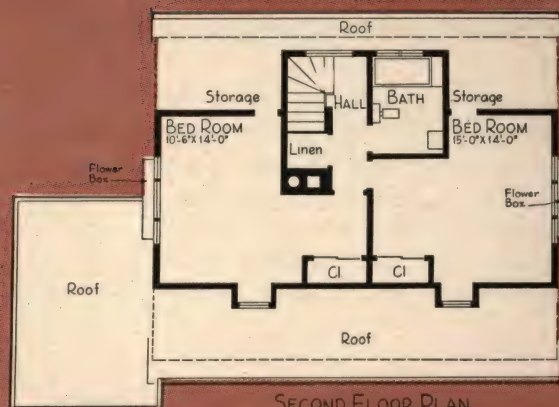




FOUR BEDROOMS, BIG LIVING-DINING AREA

THE BIG LIVING-DINING room of this plan by Architect Bertram A. Weber is a light, cheerful space with access to a sheltered porch. Four bedrooms all have big closets. Second floor could be left unfinished at first, if desired. **Living area of the house downstairs 918 sq. ft., up 580.**

1407

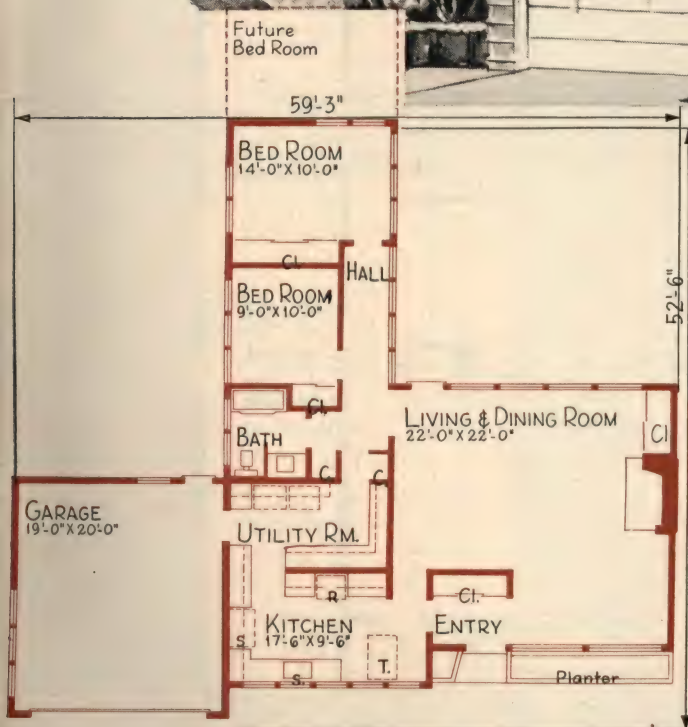


SECOND FLOOR PLAN



FIRST FLOOR PLAN

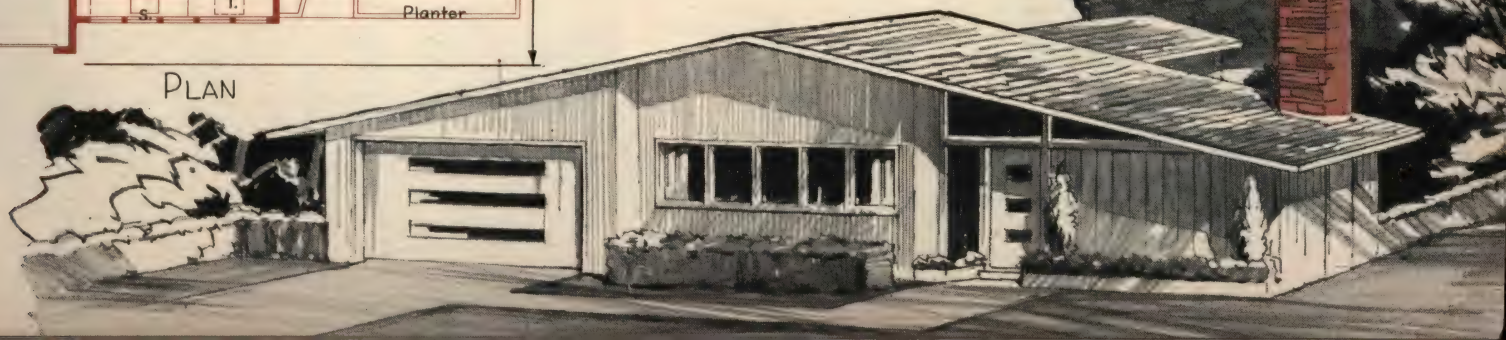
BEDROOMS IN A LINE, ROOM FOR EXPANSION



PLAN

1408

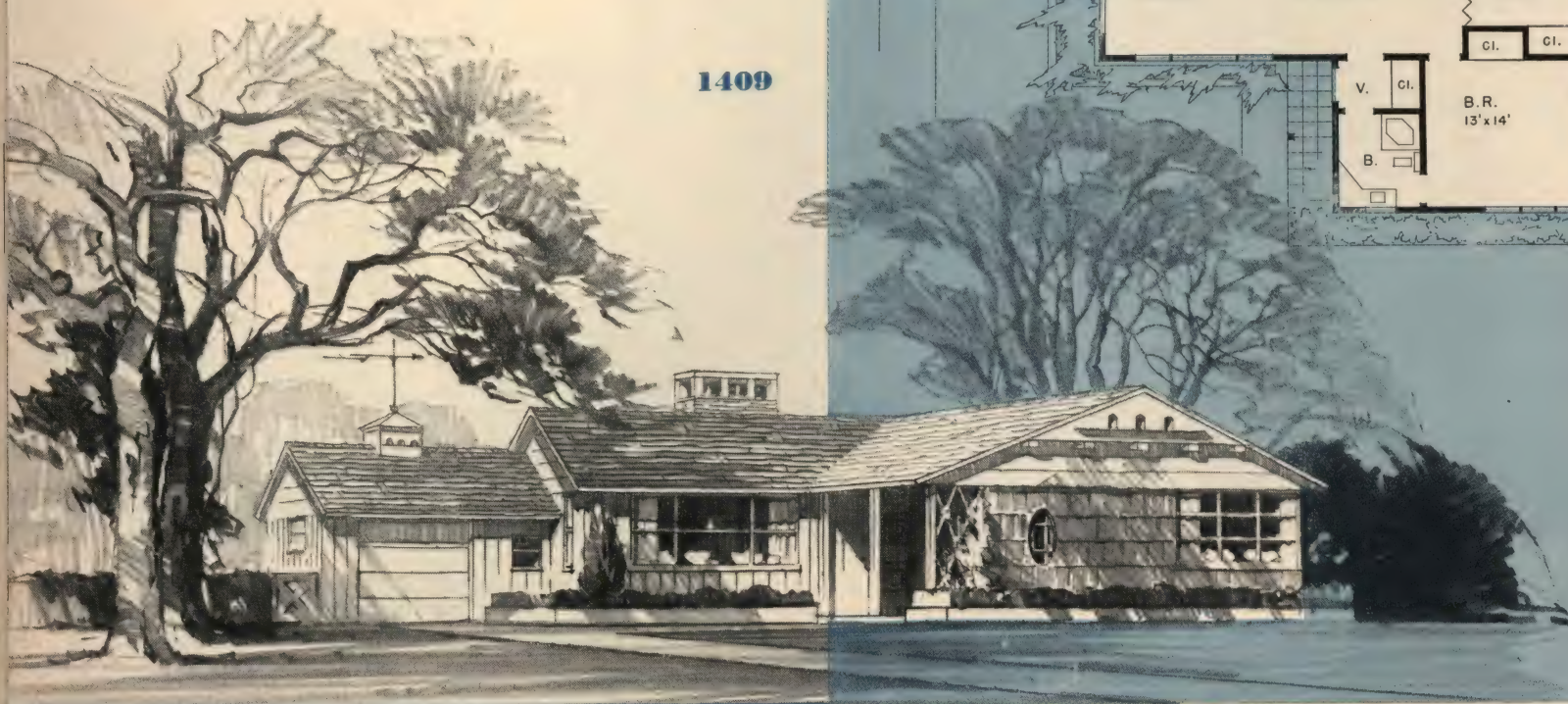
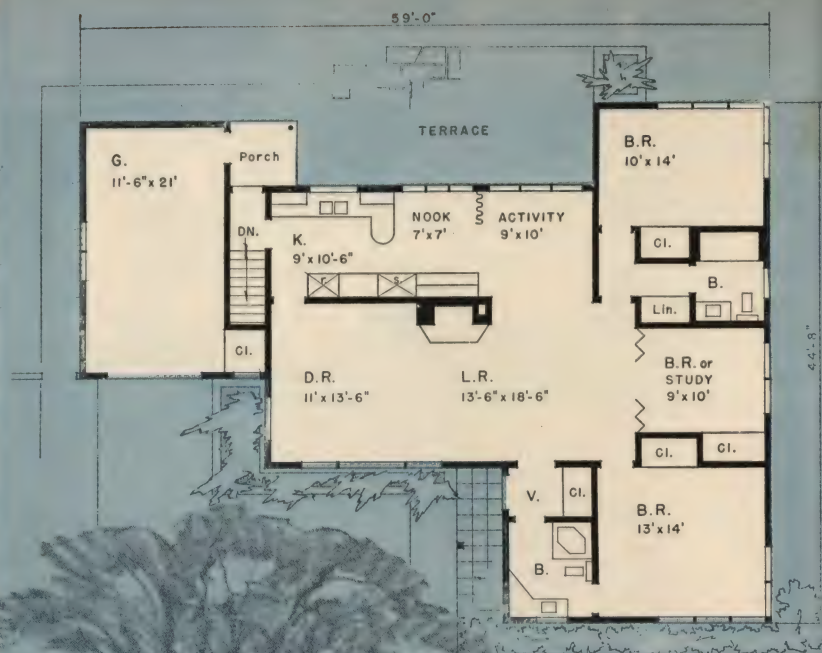
THE TWO EXISTING BEDROOMS, and a possible future third bedroom, in this plan by Architect Max P. Williams form a wing to the rear of the living area. Walls along the semienclosed back yard are mostly windows. Maximum use is made of kitchen-utility space. Two modern elevations for the same house are shown here. **Area of the house is 1,337 sq. ft.**



MAMMOTH OPEN AREA

THE THIRD BEDROOM or study of this plan by Architect Paul T. Haagen becomes a part of the gigantic living room-dining room-activities area when its folding partition is opened. Because of its open planning and the arrangement of bath facilities, the house is convenient for entertaining. Area is 1,408 sq. ft.

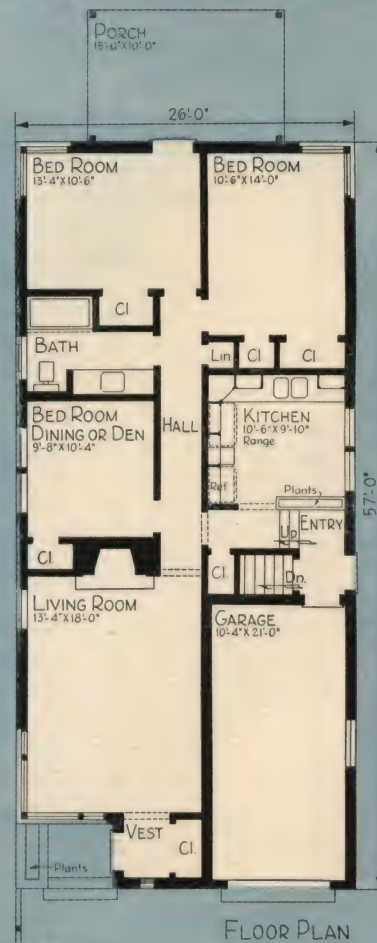
1409



HOUSE FOR NARROW LOT

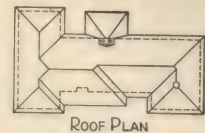
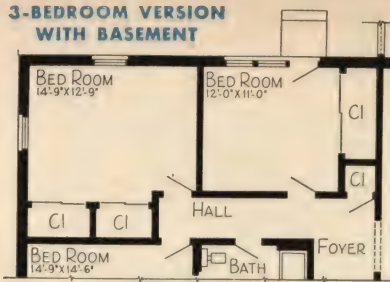
THE LONG, NARROW LINES of this house make it ideal for a city lot. Architect Erwin H. James has included the garage in the basic structure. The kitchen is big enough for dining—or the room across the hall can be used as a dining room. Front entry is well sheltered. Area is 1,240 sq. ft.

1410



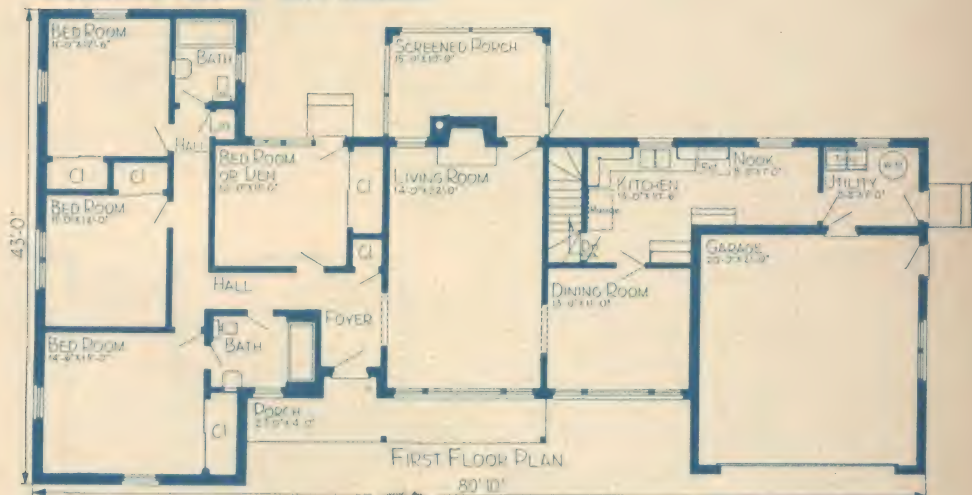
FOR BLUEPRINTS—If you like any of the designs in these pages and want further information, consult the list of plan sources on page 85.

3-BEDROOM VERSION WITH BASEMENT

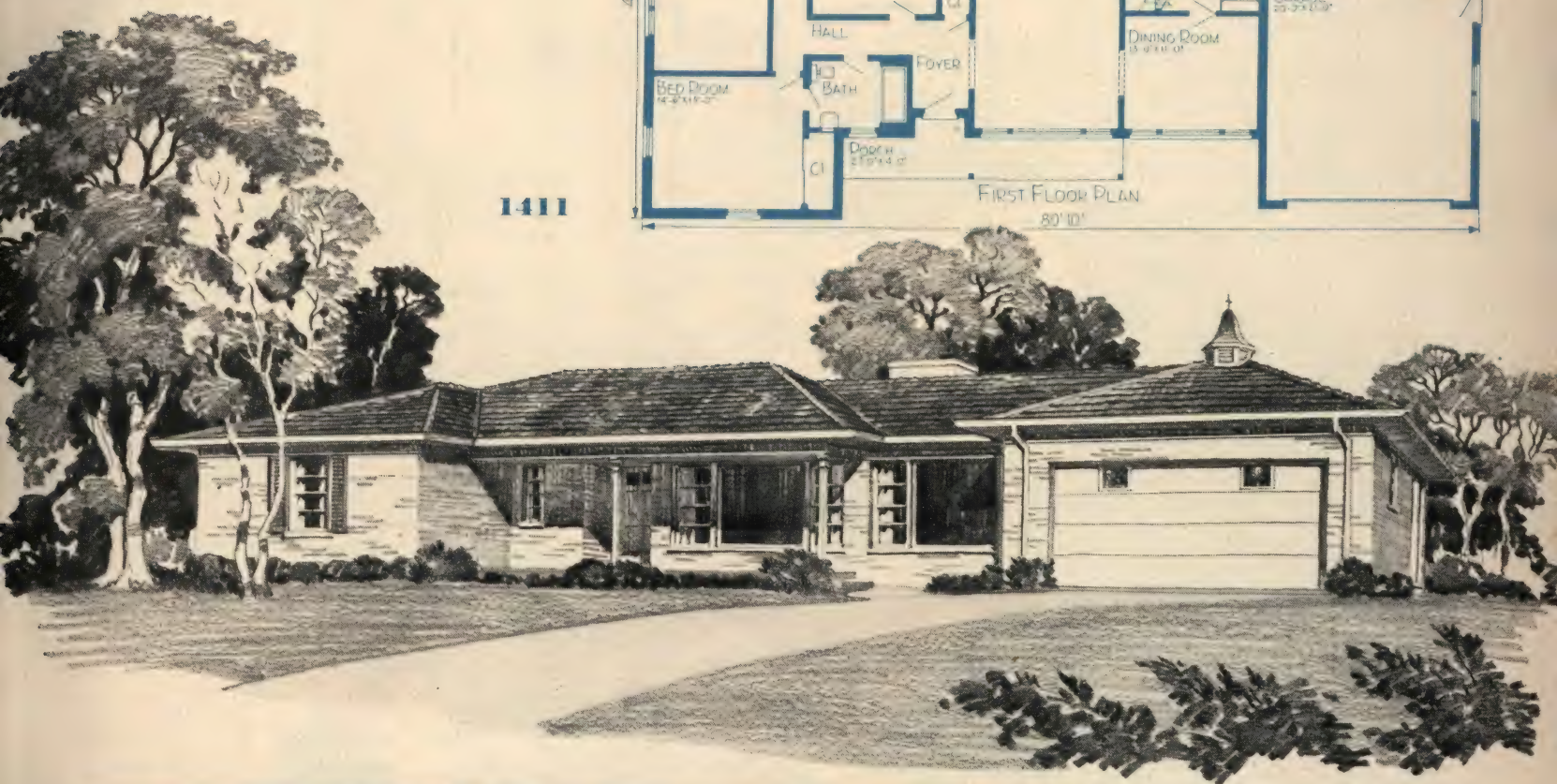


These are the two alternates with a basement—in the original a total of four bedrooms and two bathrooms. The rear bedroom and bath are removed (top plan); two of the remaining bedrooms are enlarged; otherwise plan is unchanged.

4-BEDROOM VERSION, WITH BASEMENT



1411

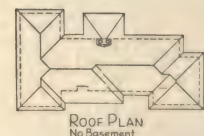


THE HOUSE YOU CAN BUILD FOUR WAYS

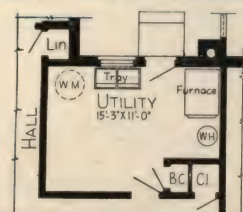
HERE'S A BIG HOUSE with plans available in four different versions. As shown in the complete plan, the house has four bedrooms and a basement. The rear bedroom is dropped in the top alternate; with no basement, the utility room replaces one bedroom, leaving three (middle alternate) or two (bottom alternate). The rear bedroom is again omitted in the latter design. Note the difference in roof plans created by moving the utility room in the basementless versions. **Area of full plan 1,957 sq. ft.**

designed by Architect Arnold Schaffner

Here, in both cases, the basement has been omitted. The utility room and laundry (enlarged to include heating plant) are moved into the space formerly taken by a bedroom. In the final alternate, the rear bedroom and bath are removed.



3 BEDROOMS, NO BASEMENT



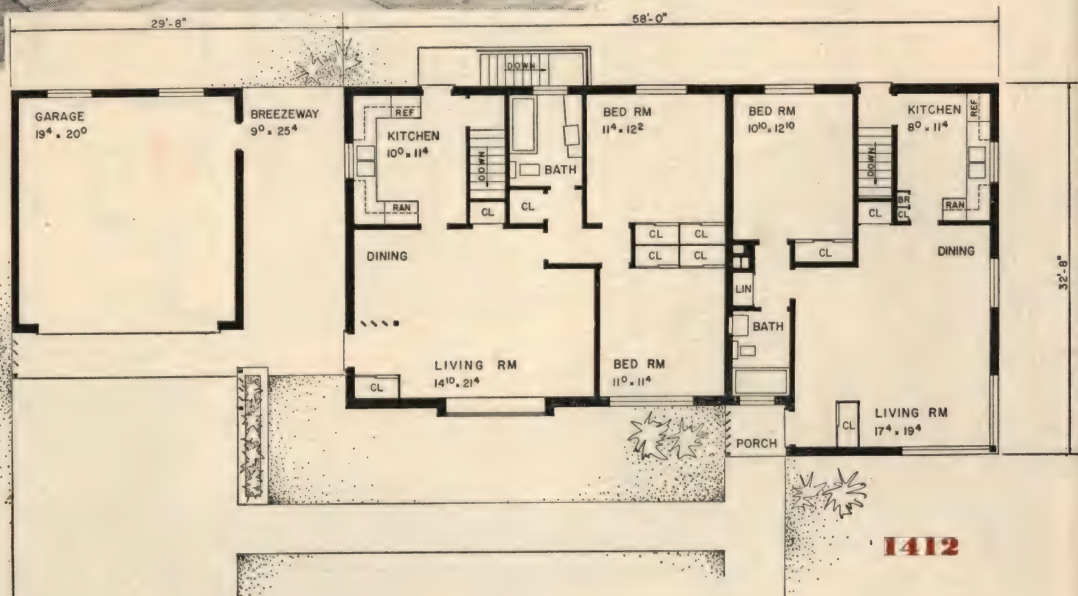
2 BEDROOMS, NO BASEMENT





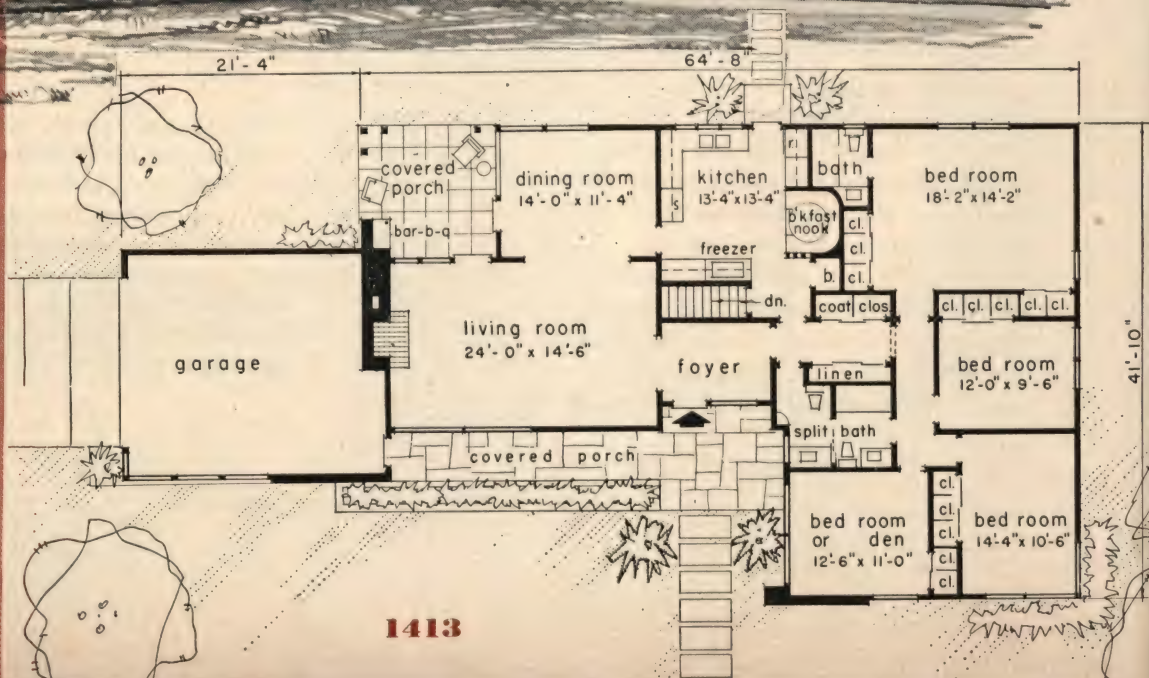
A HOME FOR TWO FAMILIES

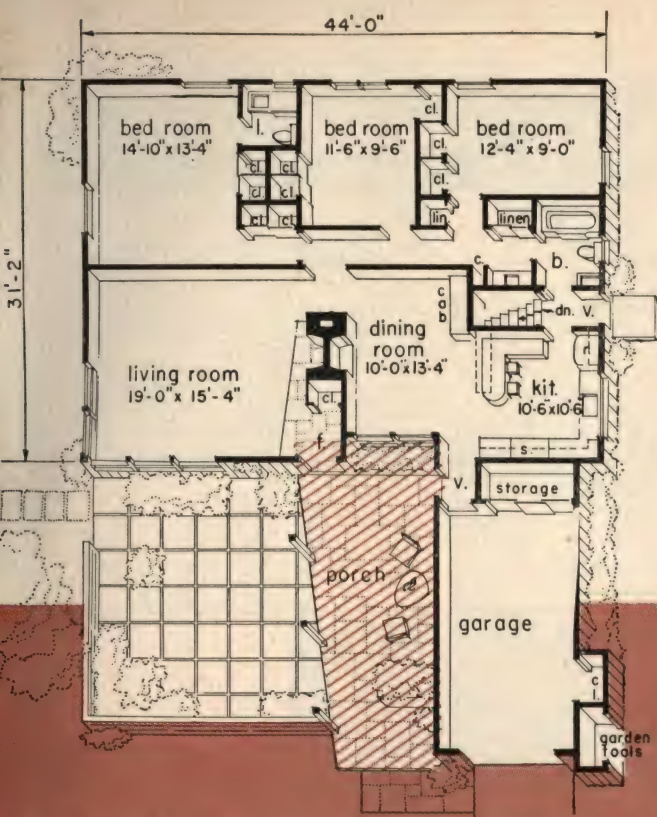
CLOSETS ARE USED ingeniously here by Architect Walter T. Anicka to form a partition between two bedrooms. The plan provides complete facilities for two families. One unit can be a rental apartment. Both units make maximum use of space, and each has a basement. Total area is 1,720 sq. ft.



DE LUXE—FOR A LARGE FAMILY

THREE GOOD-SIZED BEDROOMS, another huge one make this home a natural for the large family. Bath facilities are extra generous, as is closet space. Efficient kitchen provides for round nook and freezer. Chimney is big enough for fireplace and a barbecue on the covered porch. Designed by Edward R. Tyler. Area 1,997 sq. ft.





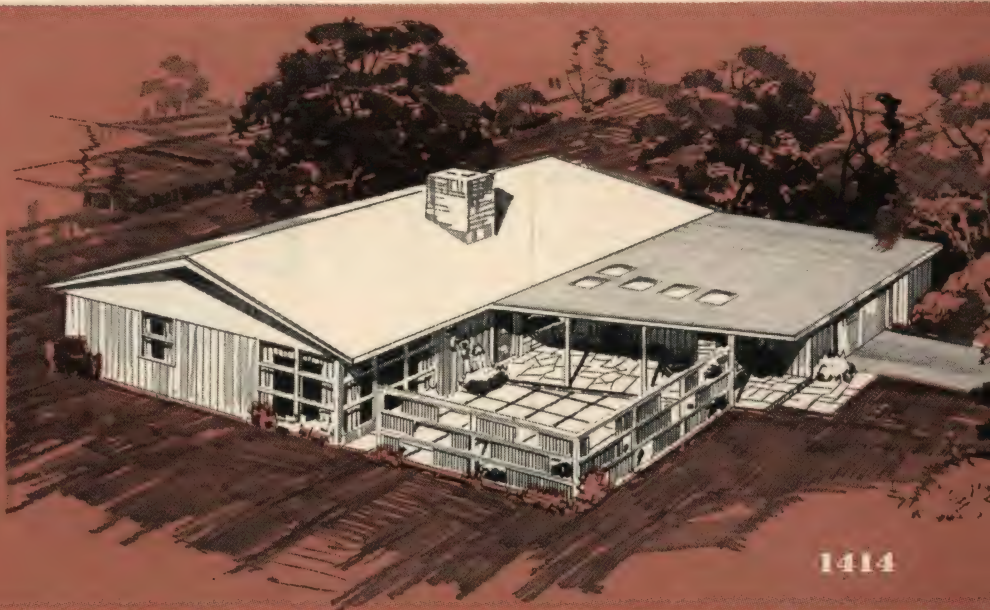
Simplicity, maximum livability, economy in use of space win for this three-bedroom home—the 32nd Edition's first prize for excellence of design.



■ This is a view of the front entrance, looking along the big covered porch. Fenced-in patio is at the left.

TERRACE, COVERED PORCH MAKE UNUSUAL ENTRANCE

THE FRONT VIEW of this edition's prize-winning house, designed by Architect Rudolph A. Matern, is unique and exciting. The unusual fenced-in terrace and covered porch serve both living room and kitchen. The three-bedroom, 1½-bath home has 16 big closets, one of them opening to the exterior. Circulation from all three entrances is excellent. **Area is 1,356 sq. ft.**



1414

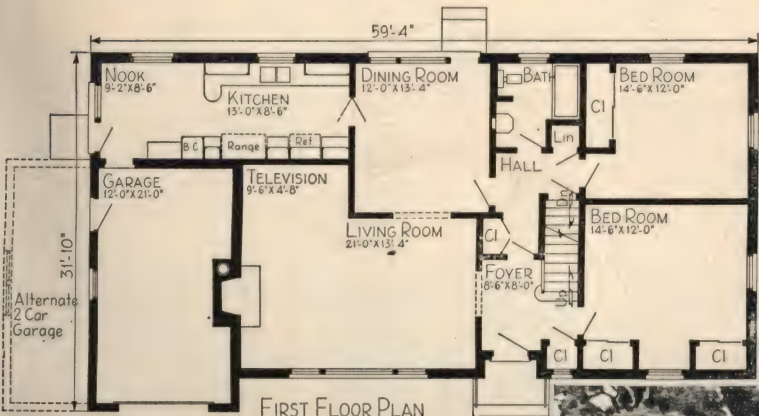


SECOND FLOOR PLAN

FOUR-BEDROOM CAPE COD

FOUR ROOMY BEDROOMS with lots of closet space are provided in this Cape Cod story-and-a-half design by Architect Arnold Schaffner. The kitchen-nook-dining space is especially well planned; note that there are two windows in the nook. A recreation room could be included in the basement of the house, with a fireplace using the same chimney as the living-room fireplace. **Area of first floor is 1,465 sq. ft.; second floor 773 sq. ft.**

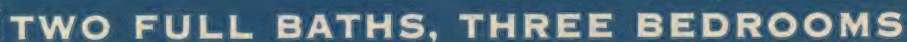
1415



FIRST FLOOR PLAN

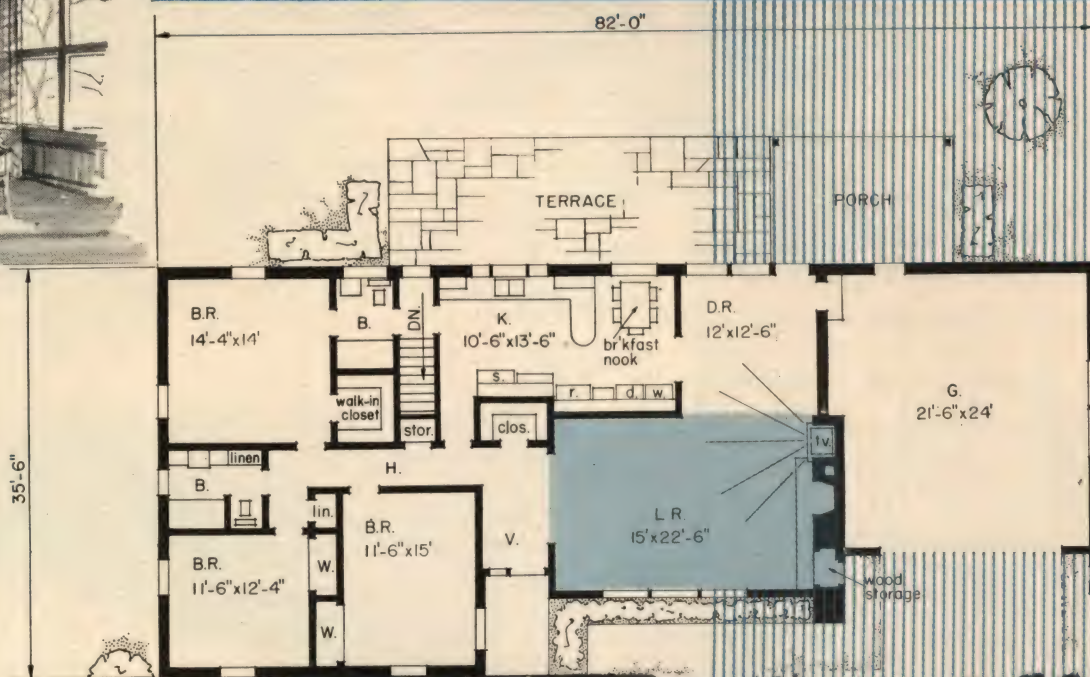
FOR BLUEPRINTS—If you like any of the designs in these pages and want further information, consult the list of plan sources on page 85. Write directly to the architect or designer. **SMALL HOMES GUIDE** does not sell plan blueprints.





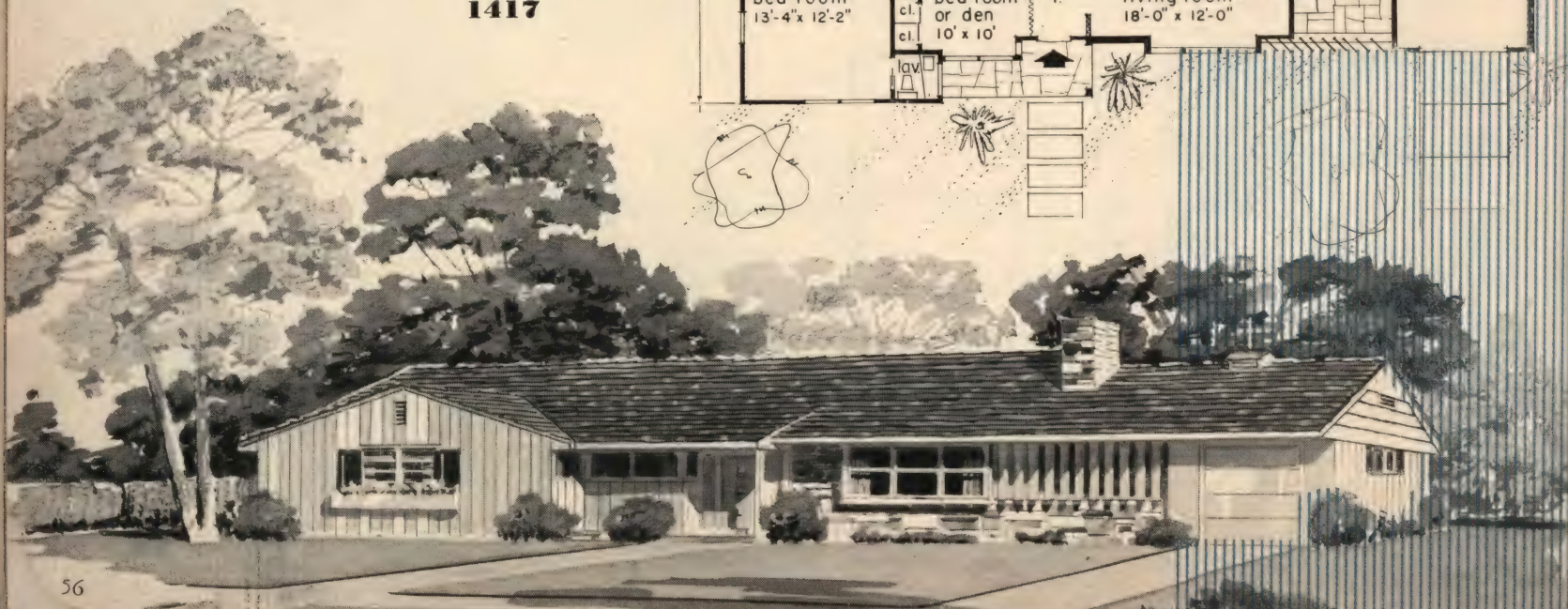
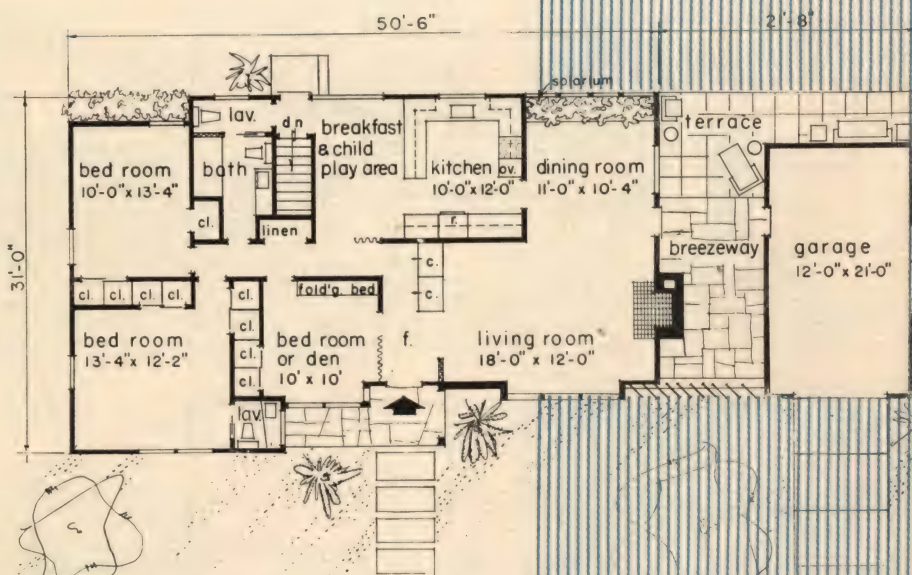
THE FULL BATH at the rear of this home planned by Architect Elmer Gylleck is convenient to rear entry, kitchen and master bedroom, assures that the home will never have bath traffic jams. Front-to-back traffic circulation is good. **Area 1,857 sq. ft.**

1416

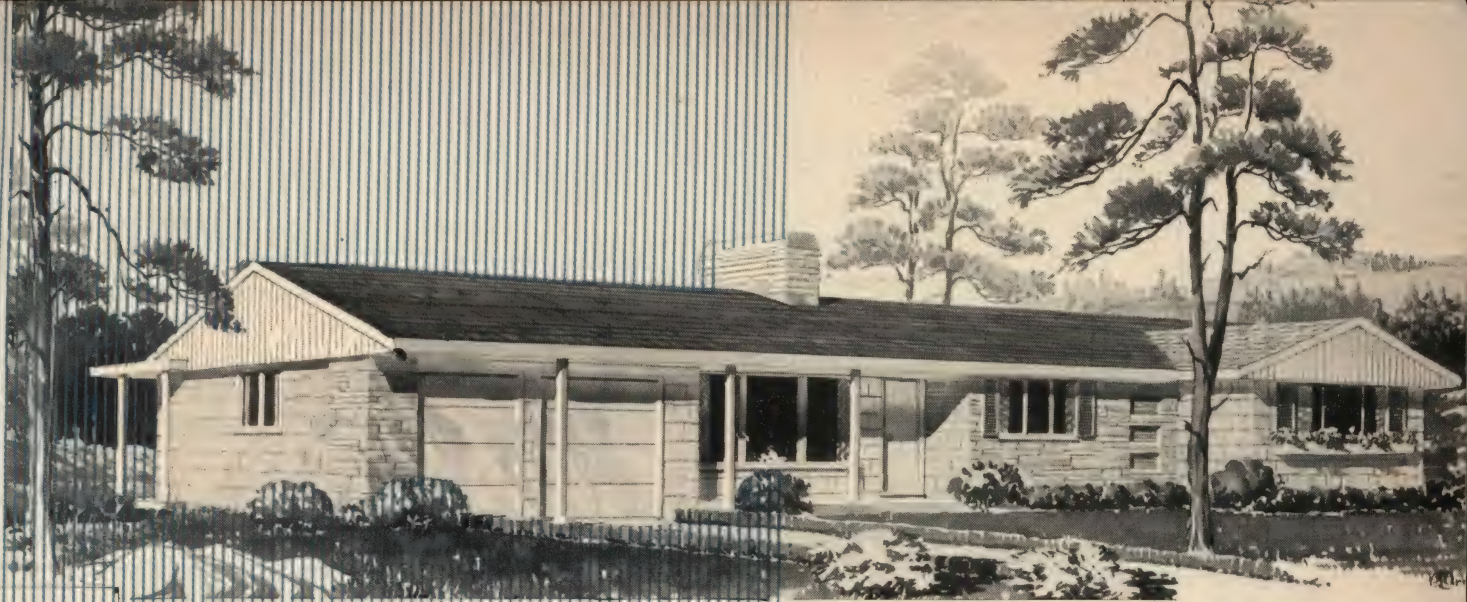


PLAY SPACE NEAR THE WORK CENTER

1417



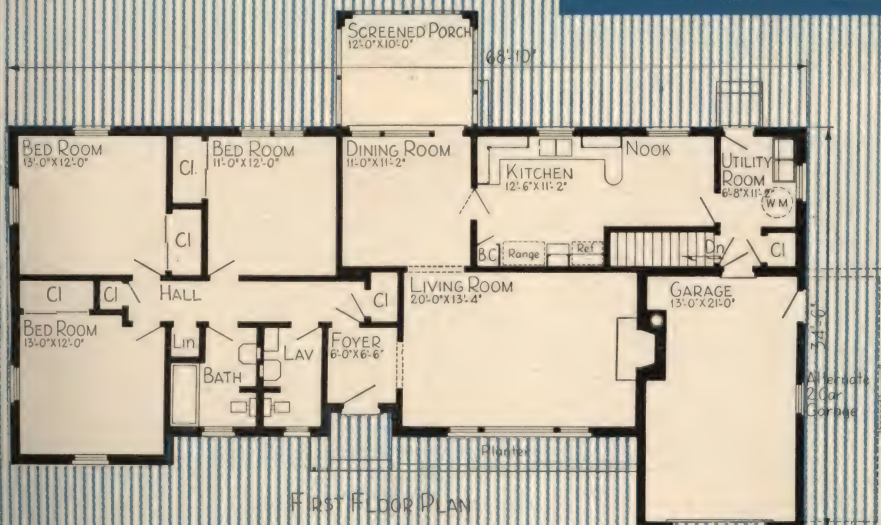
1418



BIG WINDOW AREAS AND BIG CLOSETS

THIS HOME BY DESIGNER Richard B. Pollman has some unusual windows—such as in the front bathroom—and lots of big ones all the way across the back. Liberal closets in bedrooms, kitchen and near entry. Good kitchen-nook plan. **Area 1,484 sq. ft.**

LARGE ROOMS, TRADITIONAL PLANNING



FIRST FLOOR PLAN

1419



ALTERNATE PLAN
One Bath

ARCHITECT ARNOLD SCHAFFNER sticks to tradition in this good-sized three-bedroom home. Divisions between rooms are clearly defined; bedrooms and bath and a half are grouped around a hall. Basementless version is available. **Area is 1,672 sq. ft.**

WORKING DRAWINGS for all home designs throughout this section are available. If any design meets your requirements write directly to the plan source listed on page 85.



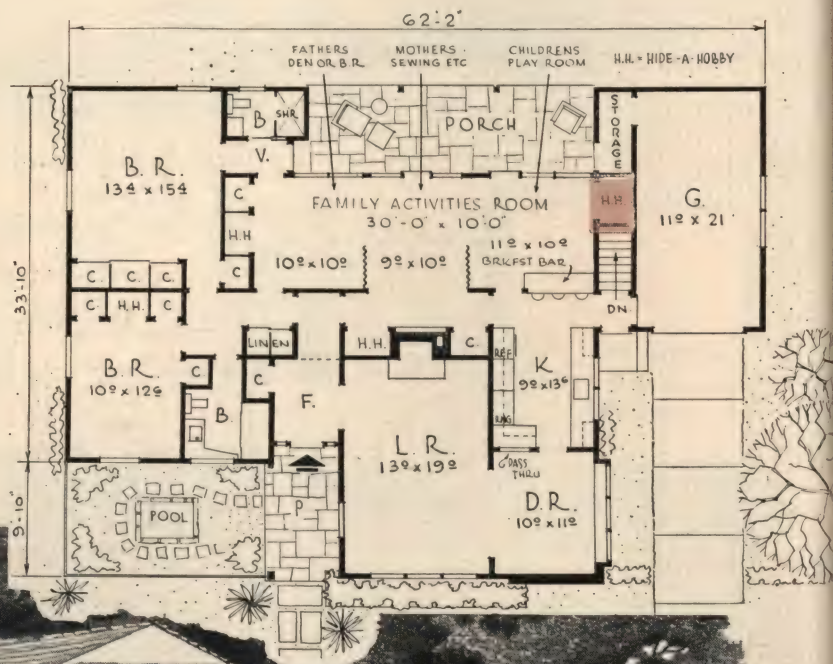


■ This is one of the activities room's "hide-a-hobby" closets as envisioned by the architect. In this case, it is planned for the materials and equipment of an artist. Any indoor hobby could be so accommodated.

1420

PROVIDES FOR FAMILY ACTIVITY

THREE SPECIAL ROOMS in this house by Designer R. B. Marshall can be merged for family activities. Hobbies are hidden neatly in individual closets. Covered back porch allows activities to combine outdoor living. The house plan includes 15 closets. Area is 1,688 sq. ft.

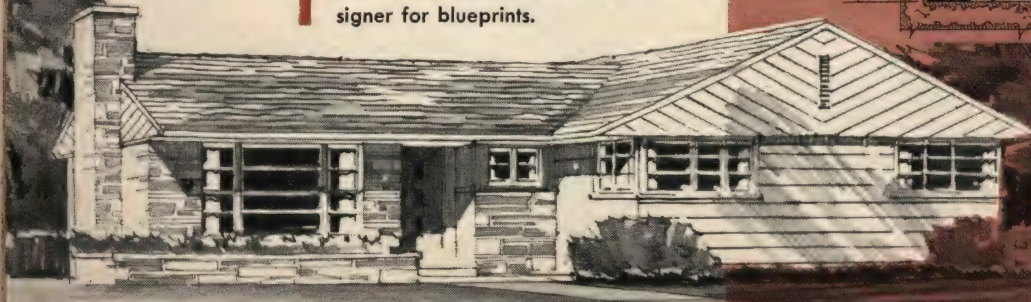
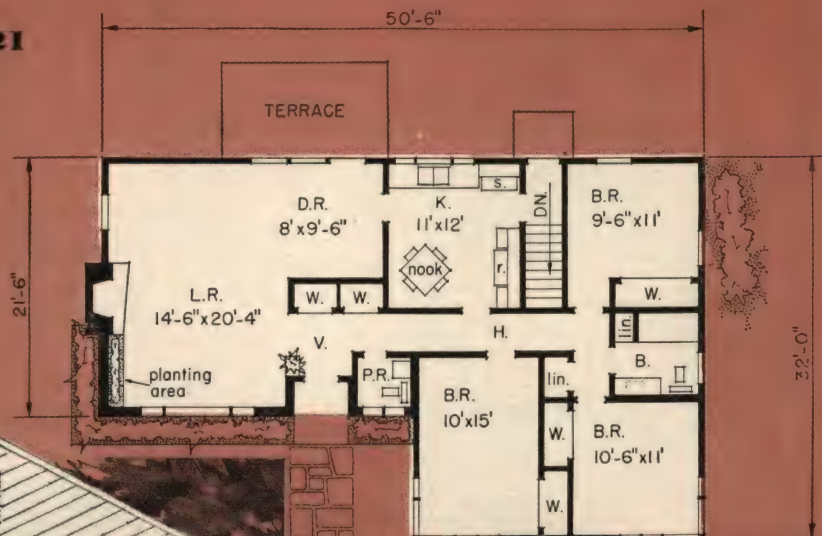


KITCHEN, BEDROOMS AVOID FAMILY TRAFFIC JAMS

THE USE OF A CENTRAL HALL in this plan by Architect Elmer Gylleck permitted placing the three bedrooms and the kitchen out of through traffic. Powder room is handy to both the front entrance and kitchen. Plans are also available for a basementless house. Area 1,429 sq. ft.

If you want more information about any of the designs in this section, consult the design source on page 85. Write directly to the architect or designer for blueprints.

1421





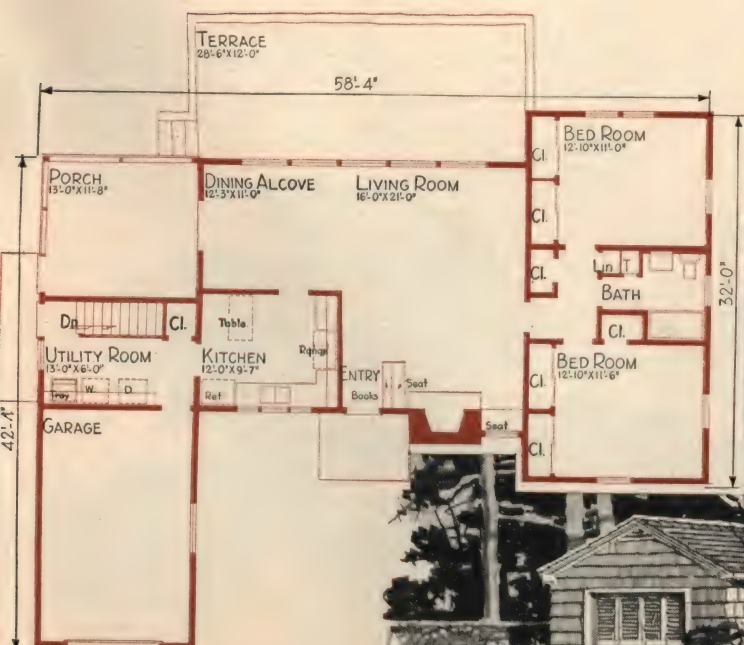
INDOOR-OUTDOOR LIVING AREA

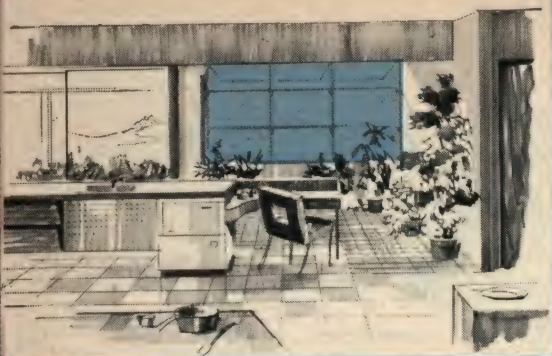
1422



1423

THE L-SHAPED KITCHEN and connecting service area at the front of this house are designed to make the housewife's work as light as possible. Architect Bertram A. Weber has also included big closets in the bedroom-bath area. 1,257 sq. ft.





■ This sketch shows the kitchen from the dining room, looking over the off-the-floor cabinets.

A DREAM KITCHEN, LUXURIOUS

ANY HOUSEWIFE WOULD CONSIDER the kitchen area of this home by Architect Rudolph A. Matern the most pleasant spot in the house. The luxurious plant room, breakfast room, barbecue and glass walls give it tremendous appeal. In addition, the kitchen-laundry space is big and efficient. The master bedroom has luxury touches, too, with a dressing room connecting it to private bath and access to porch through a sliding glass wall. **Area 1,710 sq. ft.**

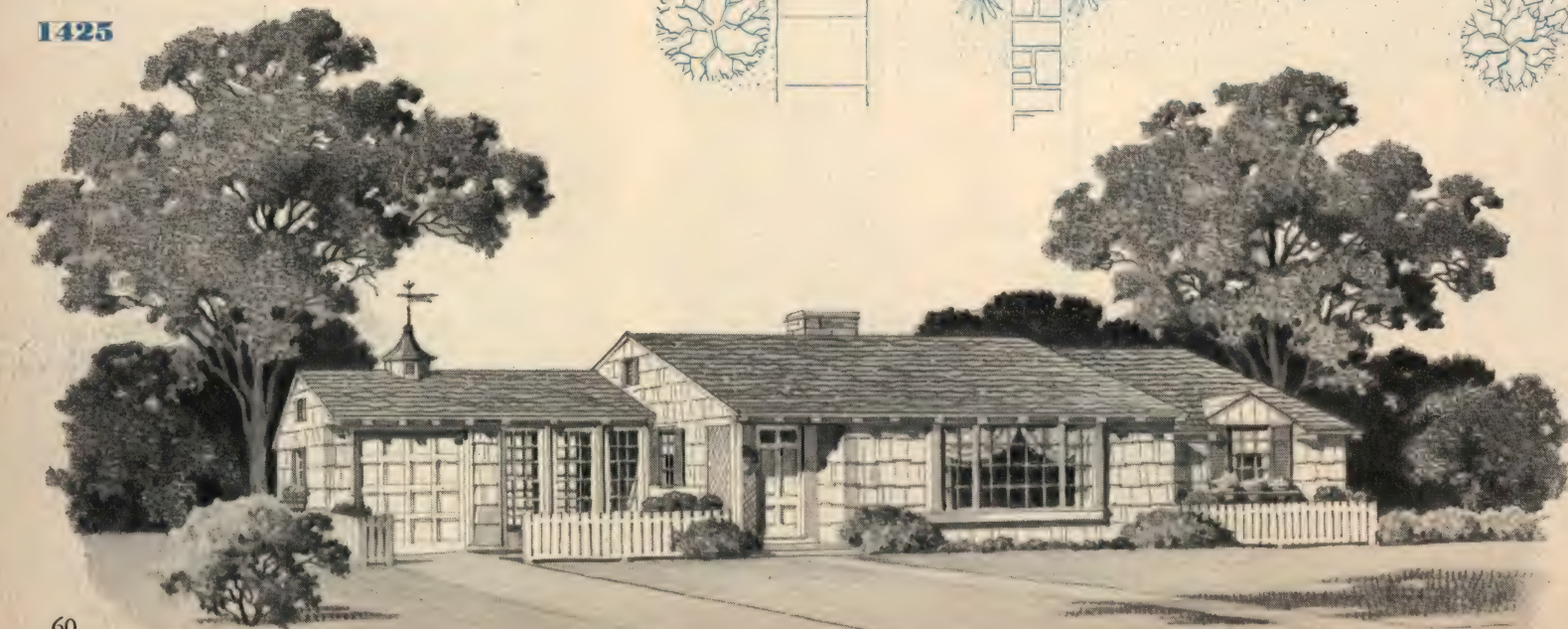
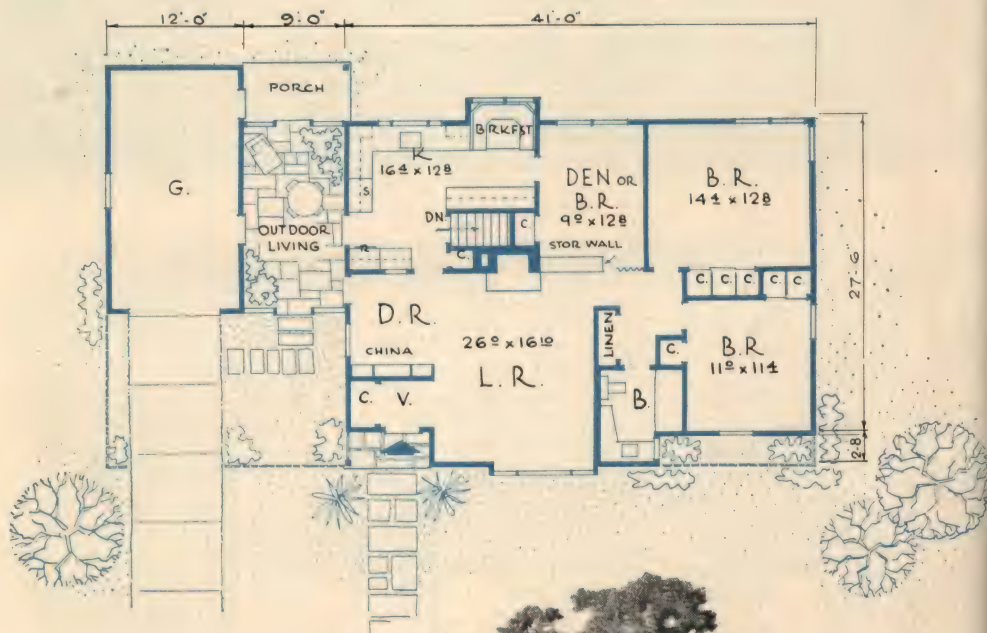
1424



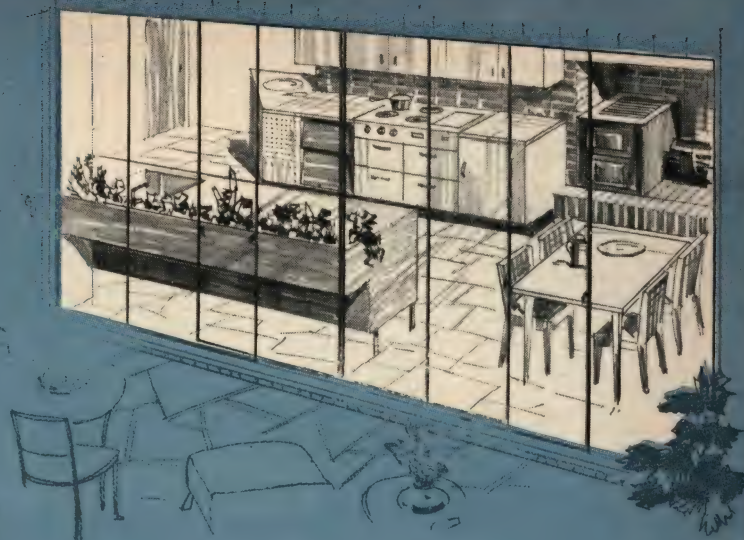
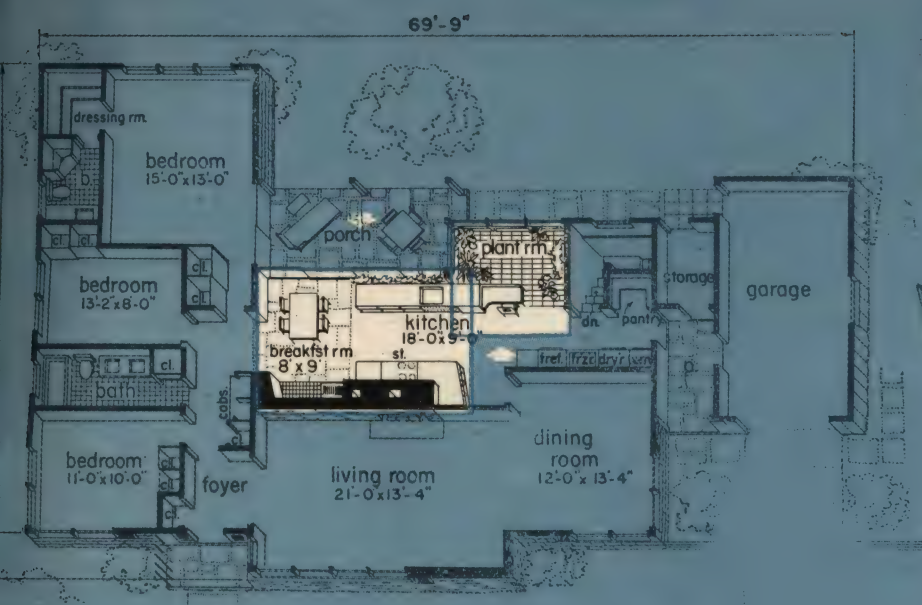
THE COTTAGE YOU HAVE DREAMED ABOUT

CHARM AND CONVENIENCE are combined in this cottage planned by Designer R. B. Marshall. The breezeway can be open or closed as desired. Third bedroom that doubles as den has access to kitchen and hall and has a built-in storage wall. Extra-large kitchen has big windows, pass-through to serve the dining room. Front entry is sheltered. **Living area is 1,193 sq. ft.**

1425



MASTER BEDROOM



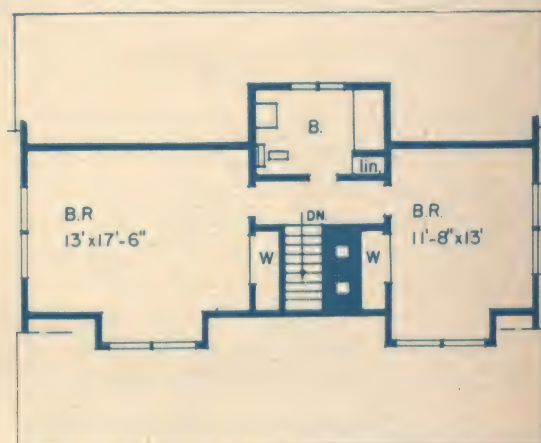
■ This is the kitchen as seen from the porch through the glass wall. Barbecue is at the right.

ROOM TO EXPAND UPWARD

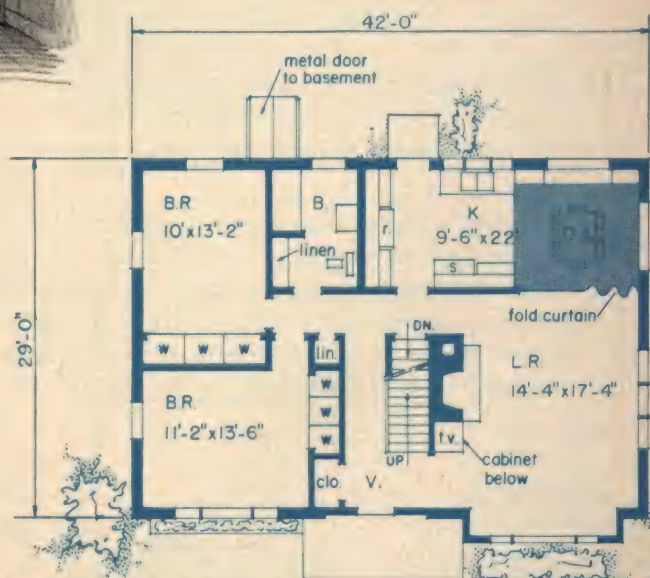
FOR THE YOUNG, GROWING family, Architect Elmer Gylleck has provided an attic for expansion, giving this home four roomy bedrooms and two full bathrooms. Each bedroom has a big closet. Dining area is not divided from kitchen, but can be cut off from living room. **1,244 sq. ft. down, 686 up.**



■ Cheerful is the word for the open, well-lighted dining area.



FUTURE SECOND FLOOR PLAN

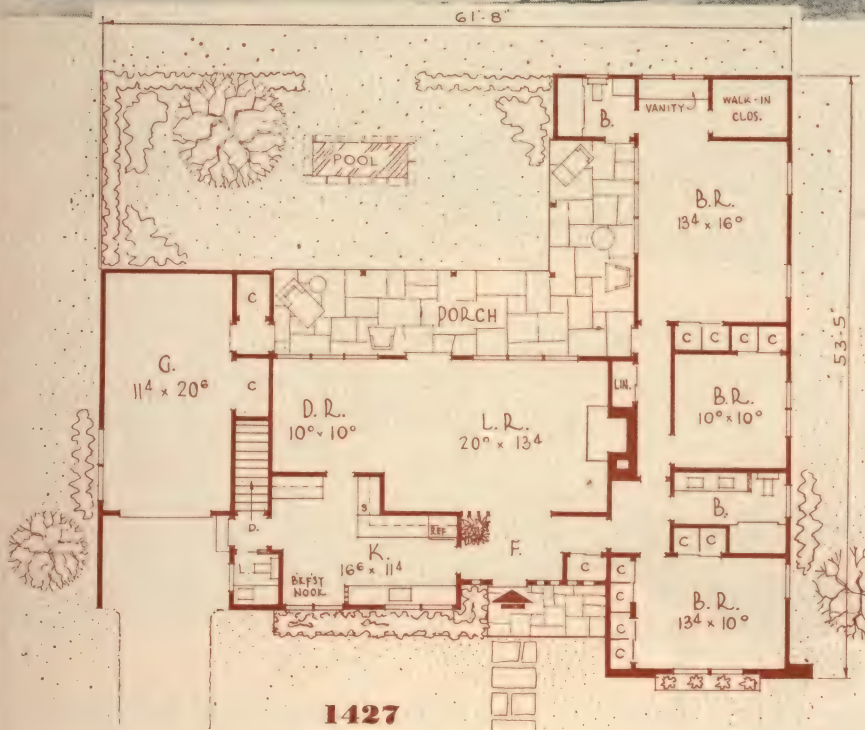


FIRST FLOOR PLAN



WORKING DRAWINGS
for all home designs
throughout this section are
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meets your requirements,
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source listed on page 85.

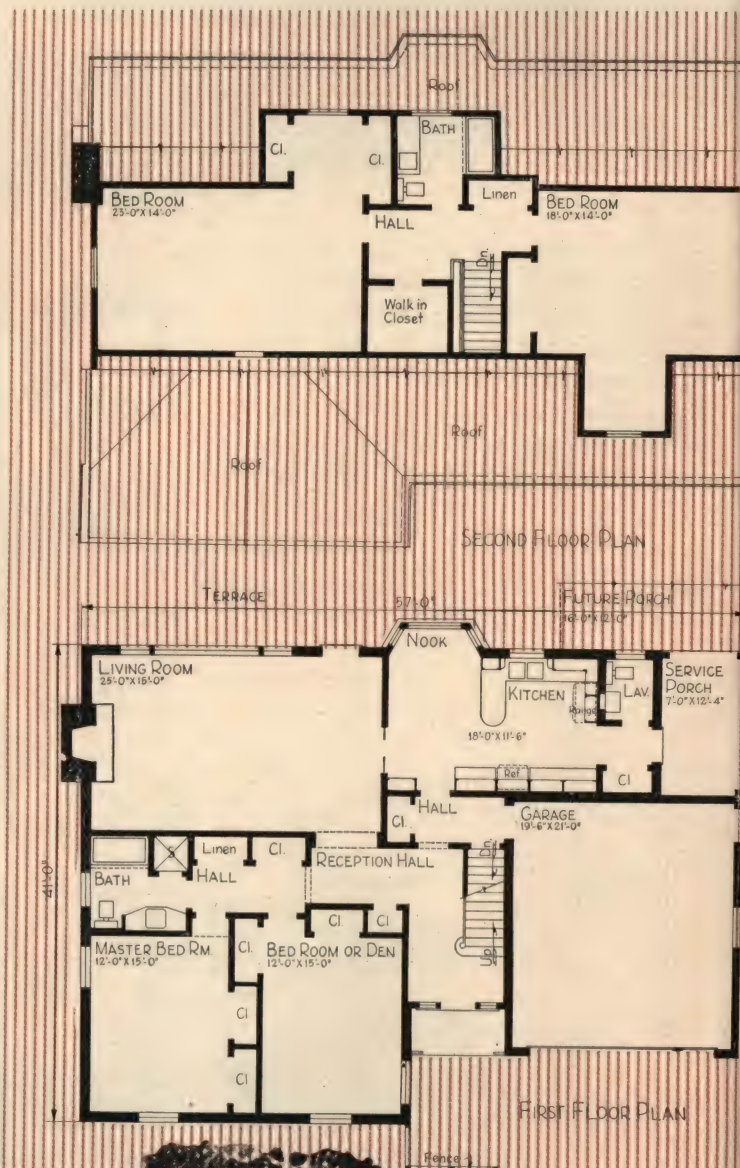
PLANNED FOR OUTDOOR LIVING

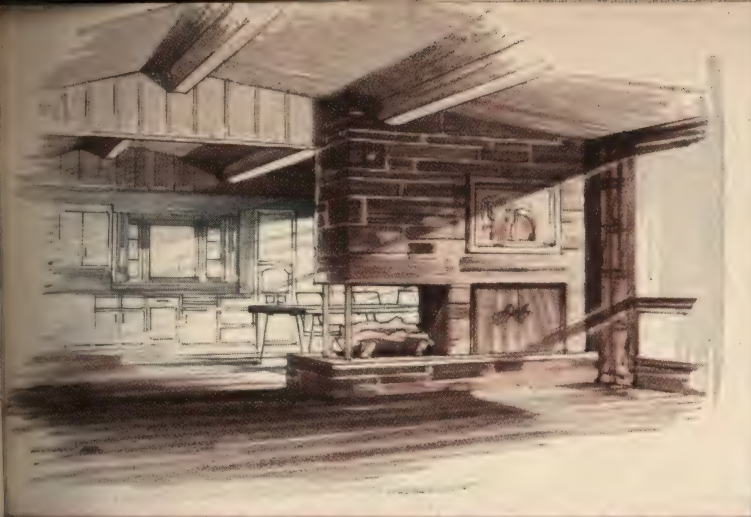


TRUE OUTDOOR LIVING in the summer is possible with the house presented here by Designer R. B. Marshall. The big rear porch is overlooked from the master bedroom and living and dining areas by huge window walls. Built-in vanity, walk-in closet and private bath are other luxury touches in the big bedroom. Corridor-type kitchen is convenient to the front door. **1,591 sq. ft.**

GO UP IN THE FUTURE

THE SECOND FLOOR of this plan by Architect Erwin H. James can be left unfinished at first and finished later if desired, a point young families will appreciate. Kitchen and first-floor bedroom areas are removed from the line of traffic to the living room at the rear of the house. Half bath is provided near the well-arranged kitchen. **1,540 sq. ft. down, 975 up.**



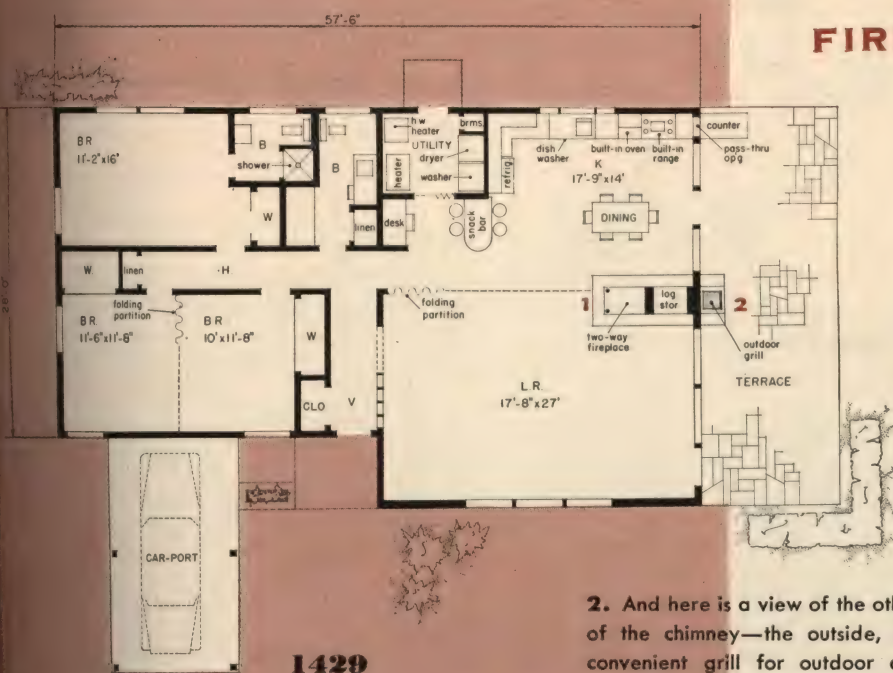


1. The sketch at left shows the part of the chimney that is inside the house. It provides a fireplace that is open on three sides, and log storage space.

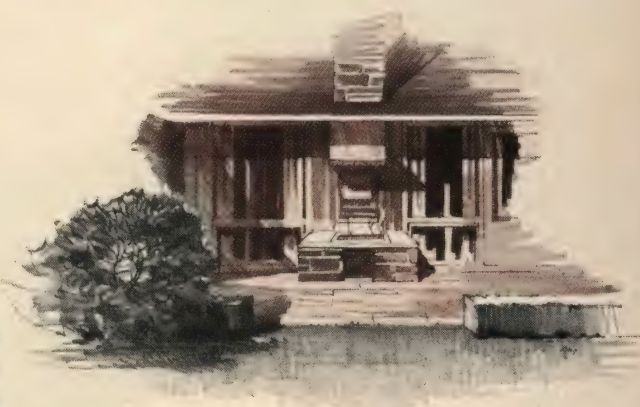


FIREPLACE, LOG STORAGE, GRILL

THE BIG CHIMNEY included in this plan by Architect Elmer Gylleck has space for an unusual fireplace in the living room, log storage and a grill on the terrace. Living room floor-to-roof glass area makes an enchanting picture window. 1,778 sq. ft.



2. And here is a view of the other side of the chimney—the outside, with its convenient grill for outdoor cooking.

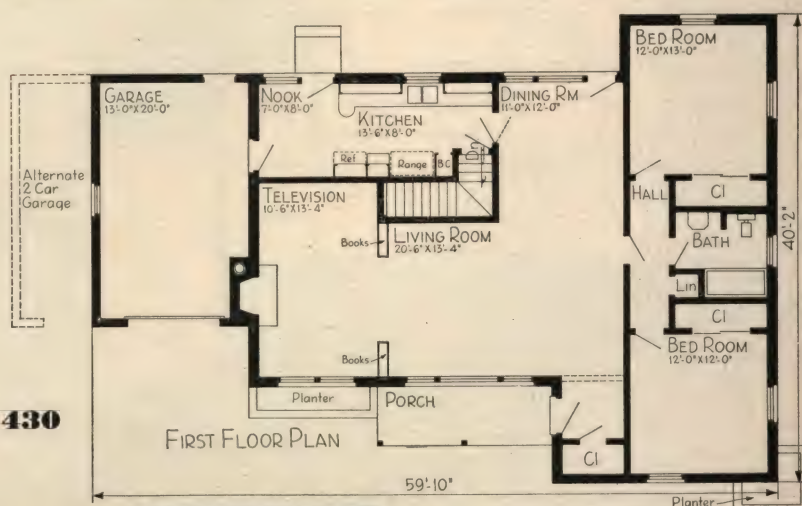


SEPARATE TELEVISION AREA

ARCHITECT ARNOLD SCHAFFNER HAS put a special television area into one end of the living room in this two-bedroom home. The three areas—living, dining and TV—together make a huge room. Basementless plan available. Area 1,467 sq. ft.



1430

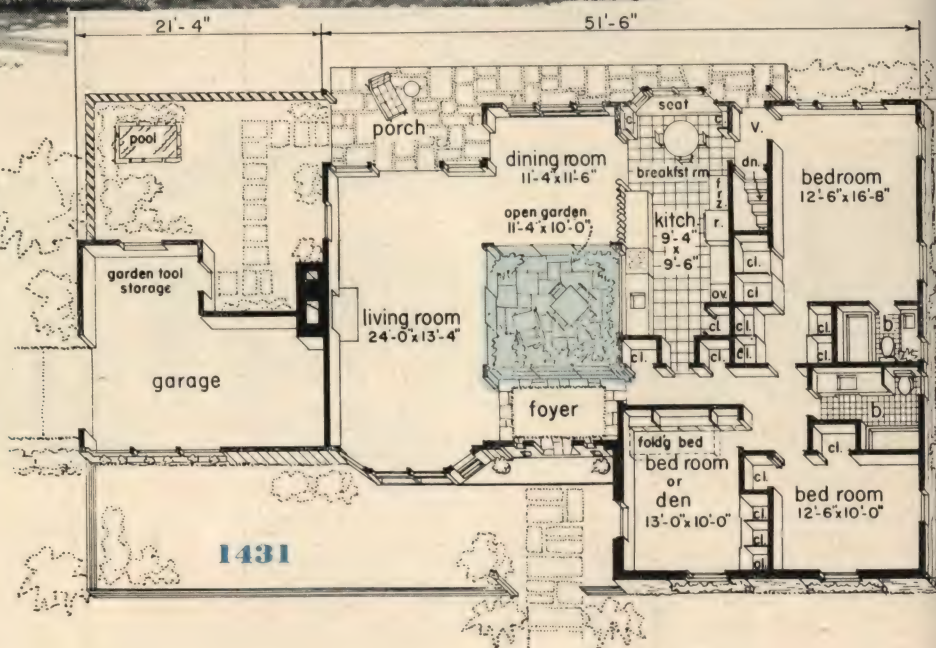


WANT BLUEPRINTS? If you like any of the designs in these pages and want further information, consult the list of plan sources on page 85. Write directly to the architect or designer.



A GARDEN IN THE CENTER OF THE HOUSE

■ This sketch shows the indoor garden as seen from the living room. Two of the glass walls may be opened.



A GARDEN AREA IN THE CENTER of this plan by Architect Rudolph A. Matern, enclosed on all sides by glass, is a point of great interest. Big glass areas are used to good advantage at the rear of the house, too. Back-to-back bathrooms are economical. **Area is 1,749 sq. ft.**

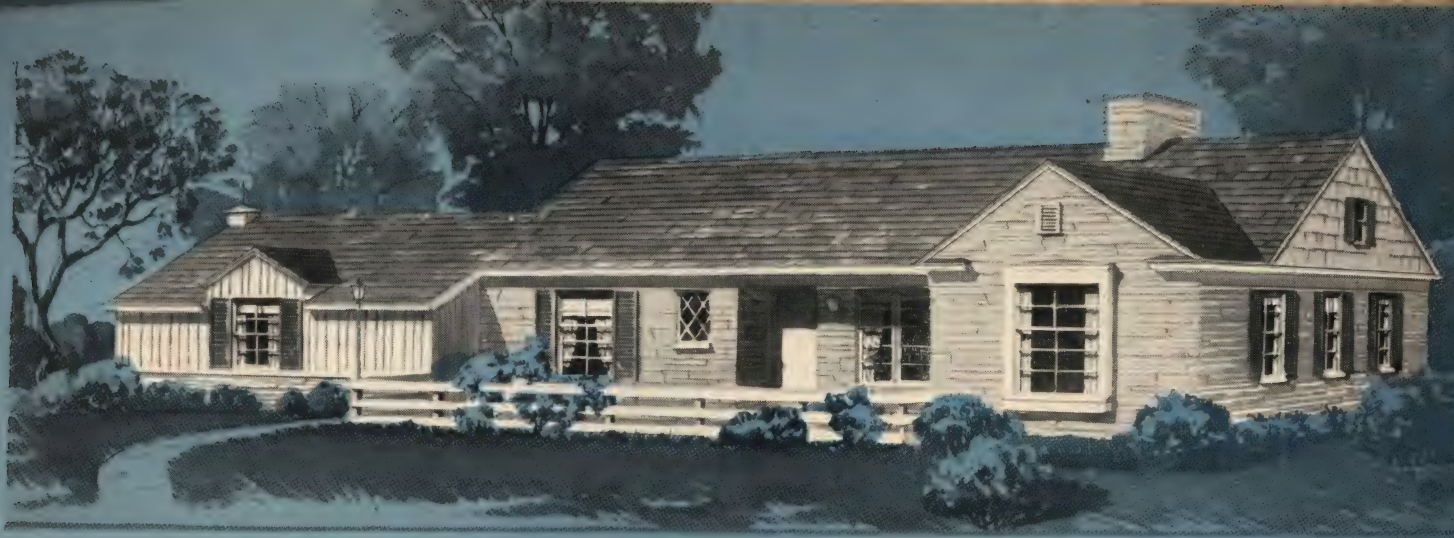
A COTTAGE WITH CONVENIENCE

SIMPLICITY OF DESIGN has packed the utmost in convenience into this plan by Architect Paul T. Haagen. The kitchen and laundry are close to both the front and service entrances. Bedrooms all have big closets. Wide overhang of the garage roof shelters a walk around to the service porch. Work and storage spaces in the U-shaped kitchen layout are especially roomy. **Area is 1,215 sq. ft.**



1432





TWO-BEDROOM HOUSE FOR A CORNER LOT

1433



THIS WELL-ARRANGED house planned by Designer Richard B. Pollman is ideal for a corner lot. Note the luxuriously big storage closets in bedrooms, hall, kitchen-nook area and front entry, as well as the storage area in the garage. U-shaped kitchen, with counter-divider between it and the breakfast area, is delightful. Women will like the built-in china storage, too. **Area 1,633 sq. ft.**

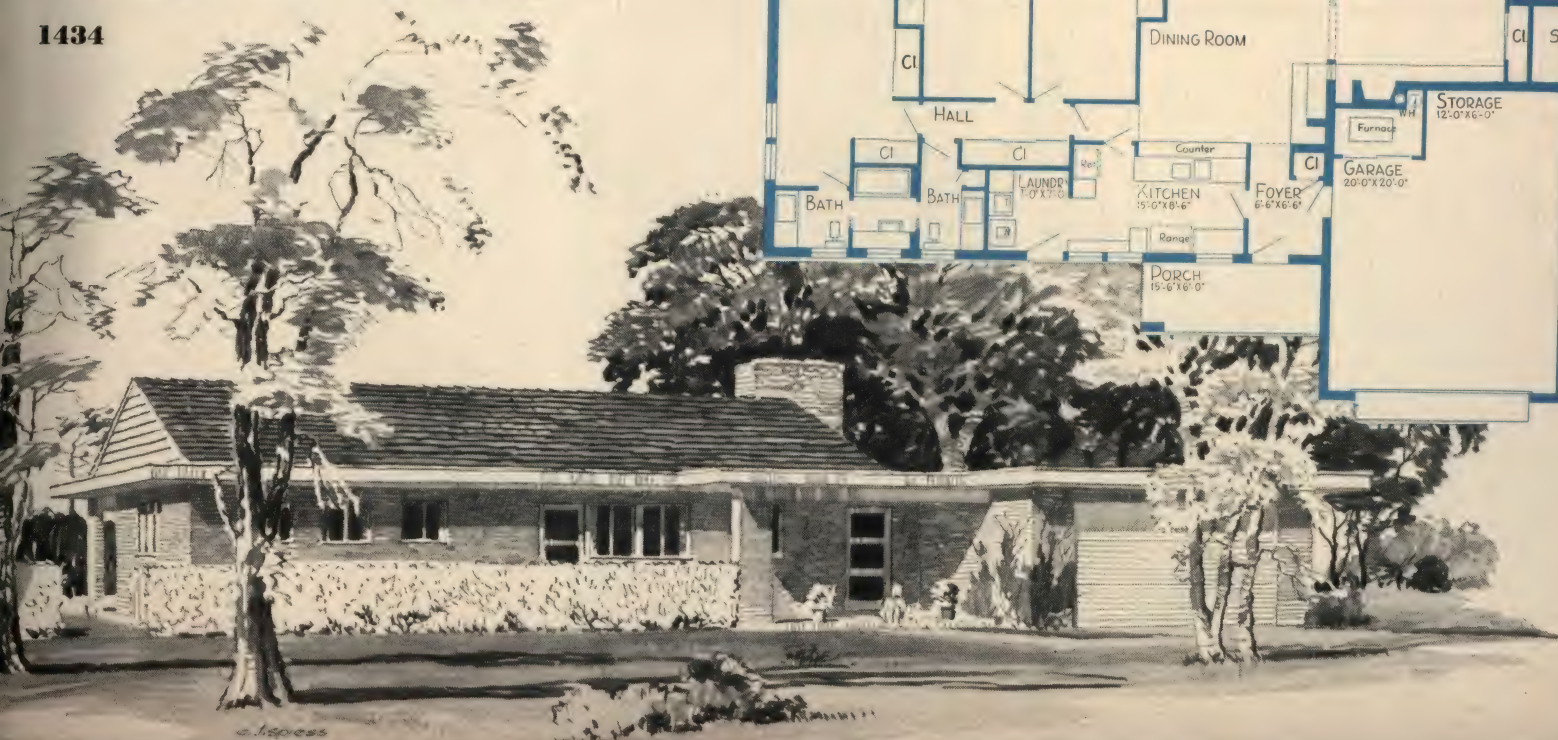
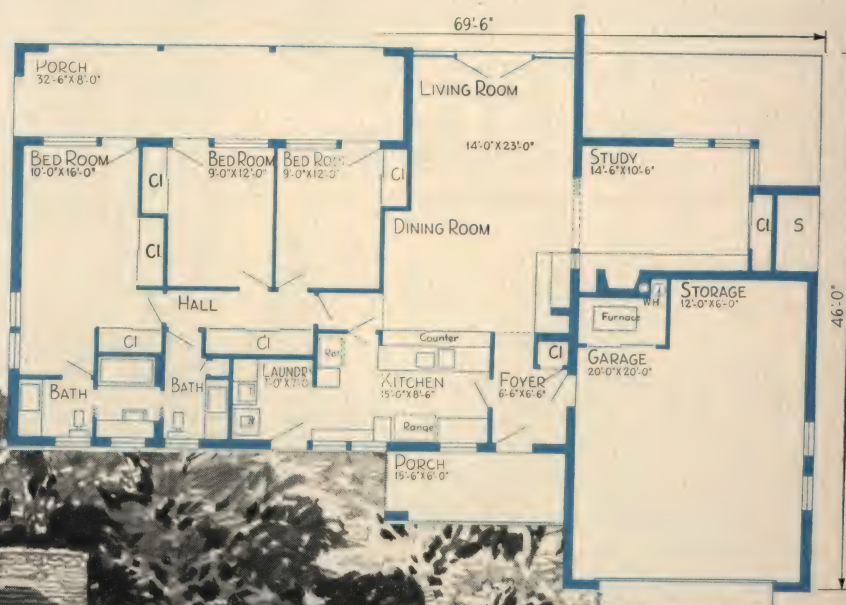
YOU CAN GET BLUEPRINTS

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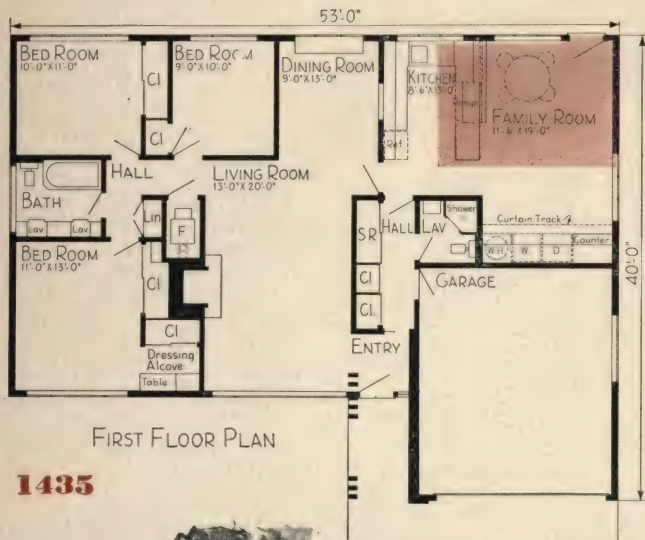
KITCHEN, LAUNDRY, BATH AT FRONT

AN EXPANSIVE, BUT ECONOMICAL layout of plumbing equipment has been lined up along the front of this house by Architect Robert A. Green. The well-planned laundry is convenient to kitchen. The kitchen is separated from the dining area by a counter. Living room has corner fireplace, study a private fireplace all its own. All bedrooms have access to rear porch. **Area of house 1,730 sq. ft.**

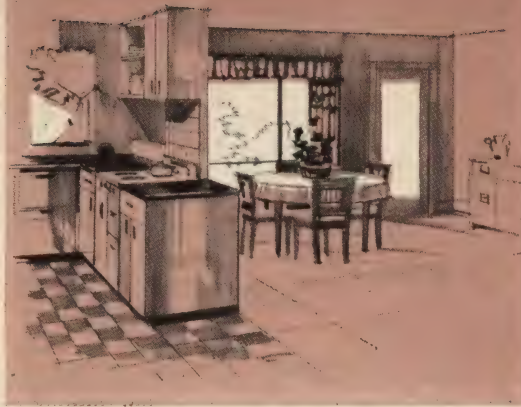
1434



FAMILY ROOM AND NOOK



1435



■ This is how the family room would look from the kitchen when used as a dining nook. Room divider furnishes extra countertop.

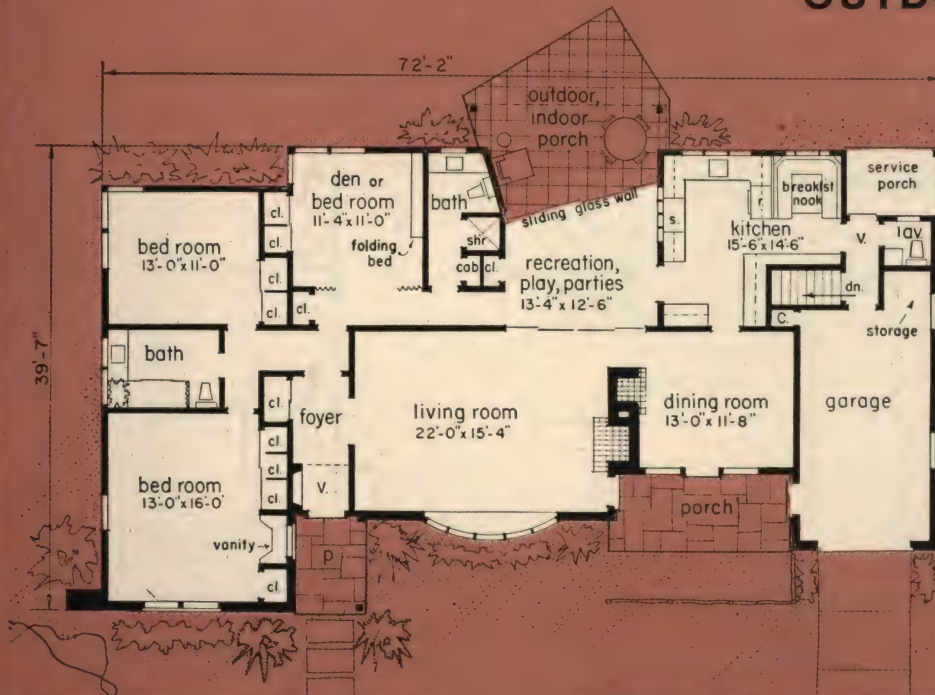
THE FAMILY ROOM in this plan by Architects Grainger Thomas and Baar can double as a breakfast nook handy to the kitchen, as the drawing indicates. Bath and a half and lots of closet space are included in the three-bedroom plan. **Total area is 1,452 sq. ft.**



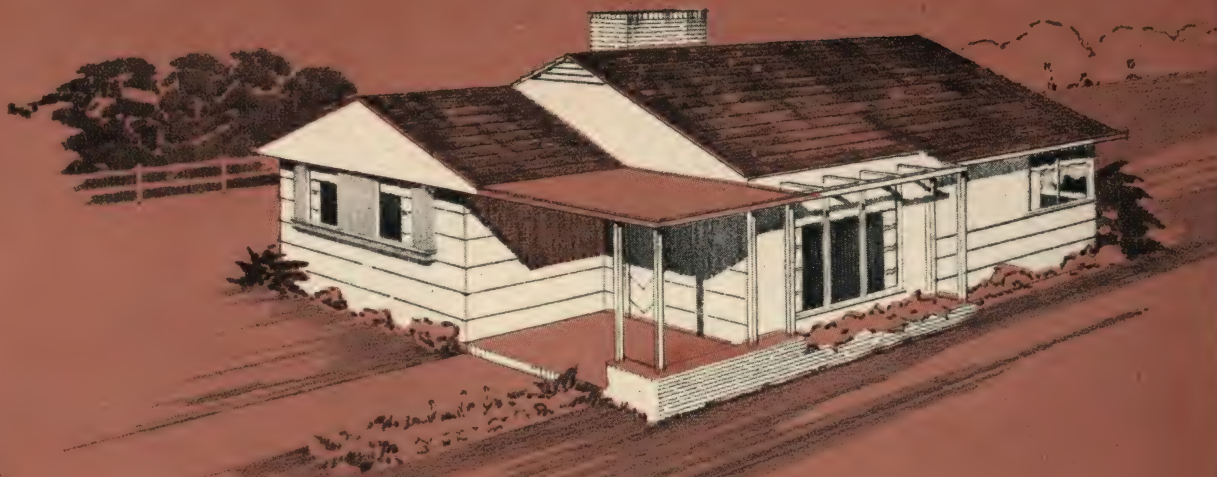
OUTDOOR-INDOOR PORCH AT REAR

THE SHELTERED PORCH AT THE REAR of this house, separated from the indoor recreation area by a sliding glass wall, highlights this plan by Designer Edward R. Tyler. Generous bath facilities, the big double fireplace and efficient kitchen and nook arrangement are other interesting features. **Total area is 1,956 sq. ft.**

1436

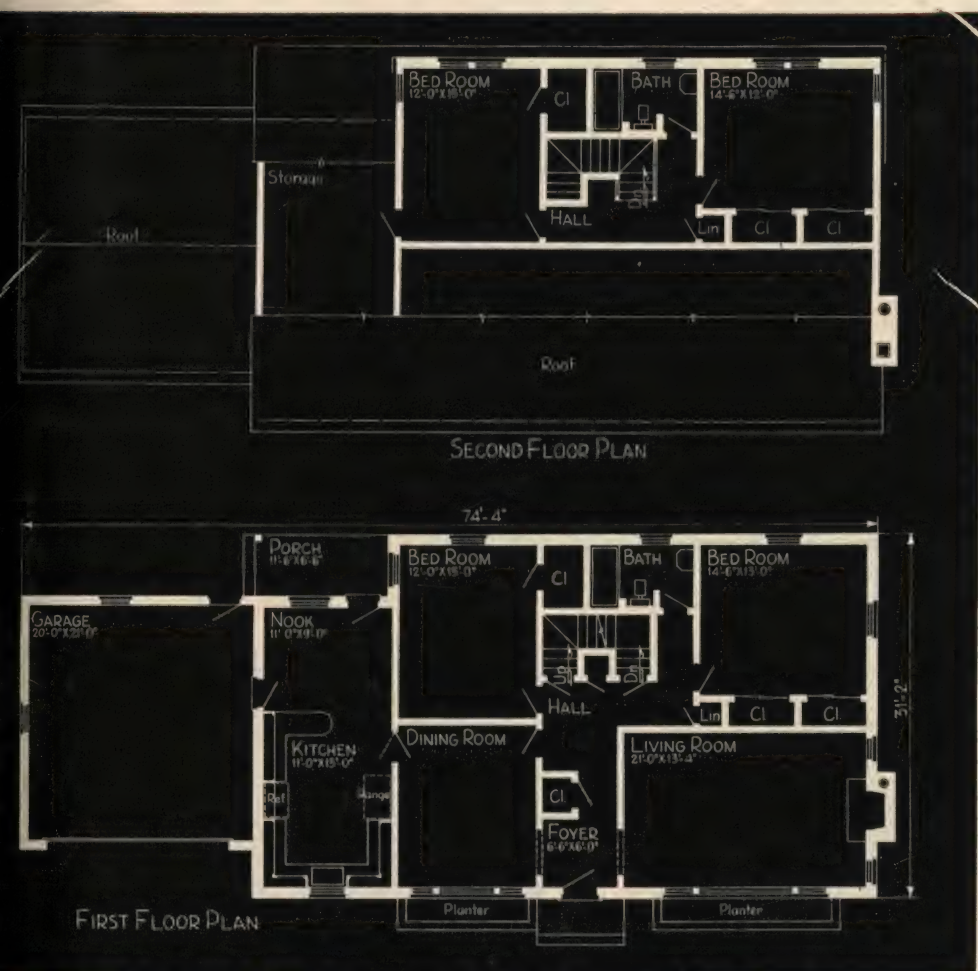
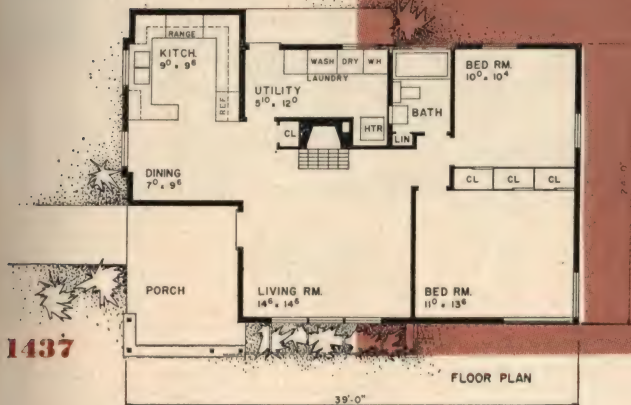


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BIG UTILITY ROOM-LAUNDRY

A VERY PRIVATE KITCHEN and planned-for-easy-work laundry and utility area were drawn into this pleasantly simple plan by Architect Walter T. Anicka. Bedrooms are divided by a big closet wall. Another version with a basement is available. **Area is 870 sq. ft.**



BIG DORMER IN BACK; FOUR BEDROOMS

A BIG DORMER ACROSS the rear of this Cape Cod-type house by Architect Arnold Schaffner makes it possible to have four good-sized bedrooms. The plan is also available with a front dormer if preferred. Space in the basement is ideal for a recreation room, with a fireplace using the same chimney as the one in the living room. U-shaped kitchen is efficient. **Area 1,609 sq. ft. down, 664 up.**

1438





■ The sketch above shows the house as it would appear with the entrance to the front; at right, the entrance is located at the side of the house.



1439



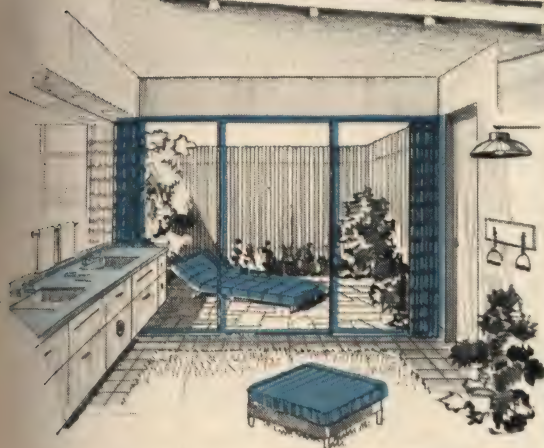
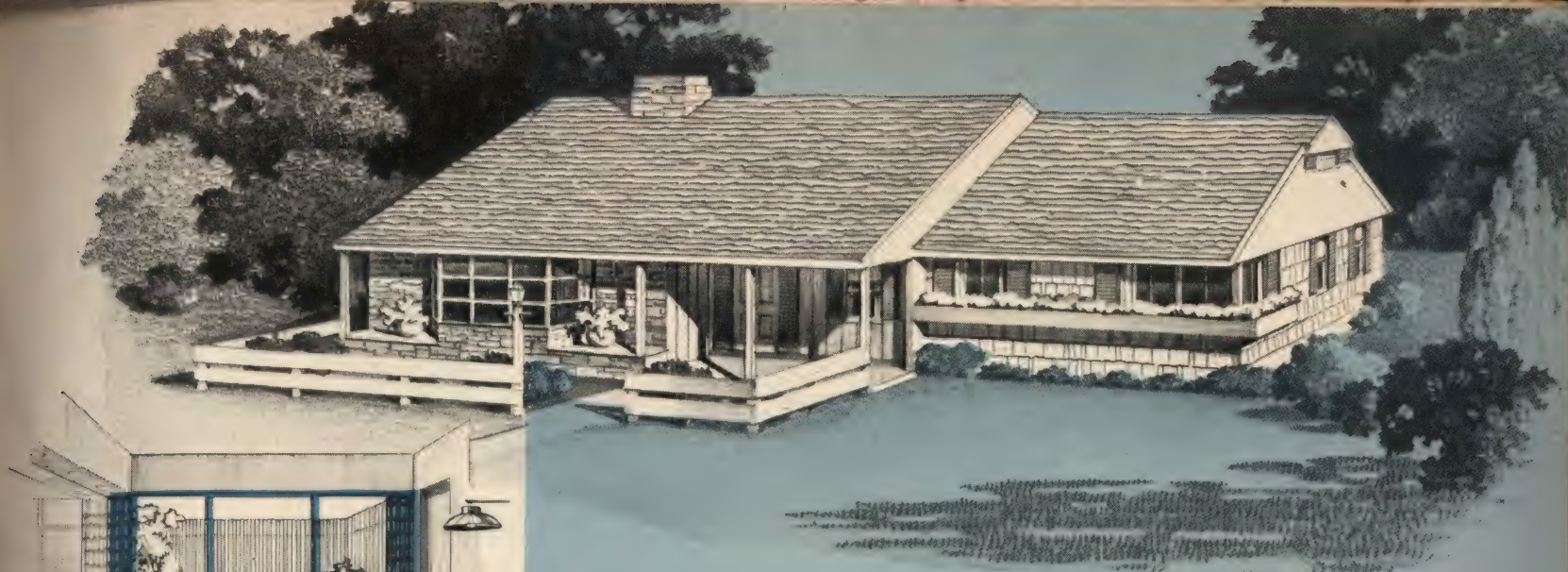
DIAGONAL DINING AND CIRCULAR SNACKING

IF YOU LIKE new angles, you will like the unusual placement of the dining area in this three-bedroom plan by Architect Elmer Gylleck. The house can be built with entrance at the side or facing the street, as arrows indicate. Basementless alternate is also available. **1,250 sq. ft.**

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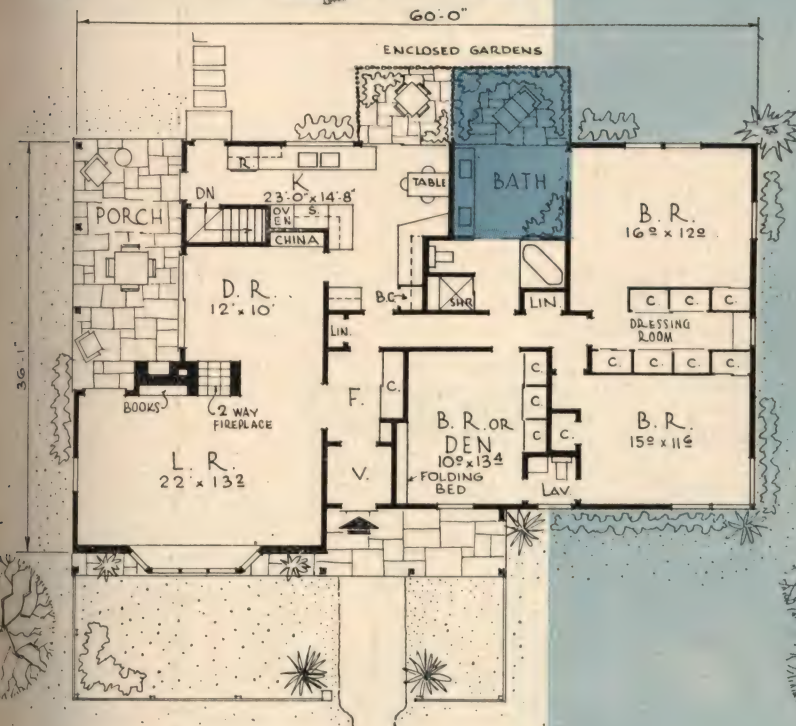


BY LINING UP the kitchen, nook, three big storage closets and a half bath along a hall, Designer Joseph T. Froh has given this four-bedroom plan maximum efficiency. All the bedrooms, too, have big wardrobe closets. Big windows in the living room, dining room and bedrooms provide lots of light and air. Bathroom is split. **2,200 sq. ft.**



■ Here is a view from the luxurious dual-use bath through glass doors into the enclosed gardens.

TRUE LUXURY IN THE BATH, PRIVATE GARDENS

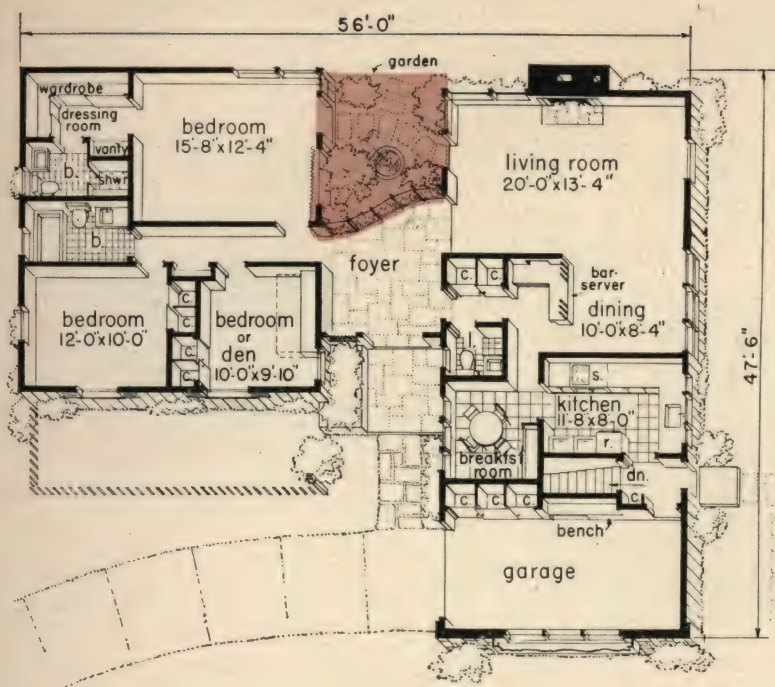


ENCLOSED GARDENS OFF the luxury bath and the breakfast area, closet-lined dressing room, two-way fireplace and grill and a large covered porch add up to complete enjoyment of indoor-outdoor, everyday living in this house planned by Designer Robert B. Marshall. The porch is open to the living room, dining room and, for serving, the kitchen. There is an extra half bath between den-bedroom and the second bedroom. Area is 1,790 sq. ft.

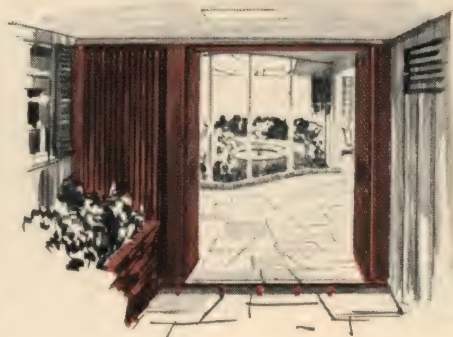
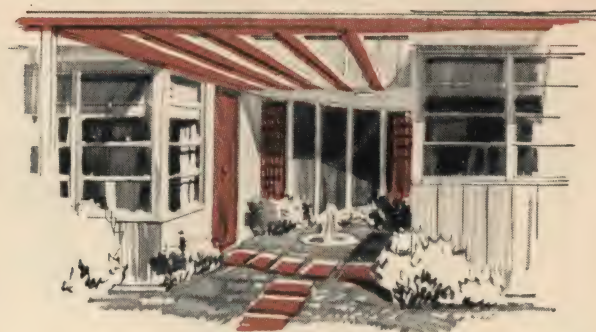
1441

A HOUSE WITH PLENTY OF STORAGE SPACE





1442

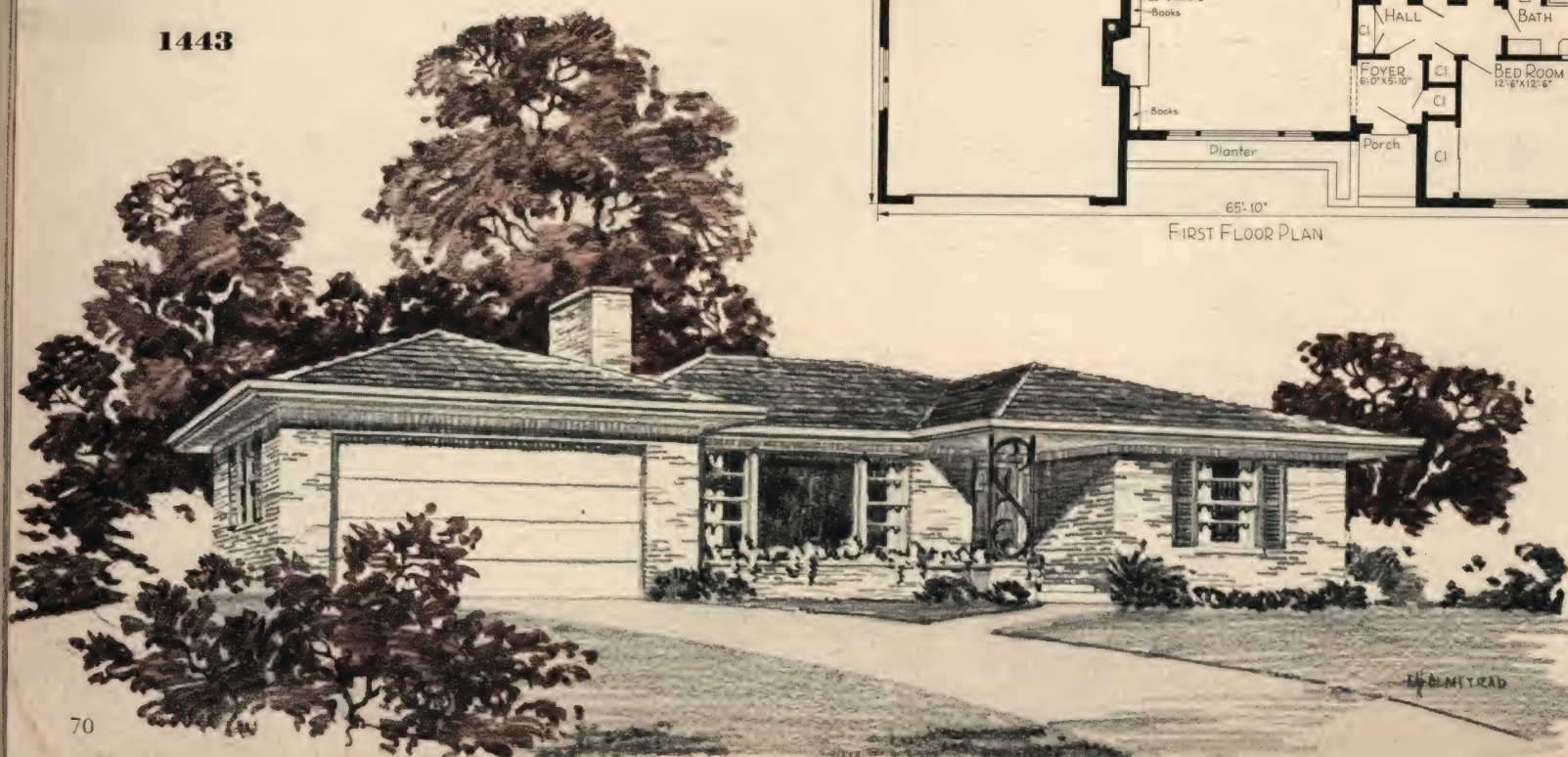
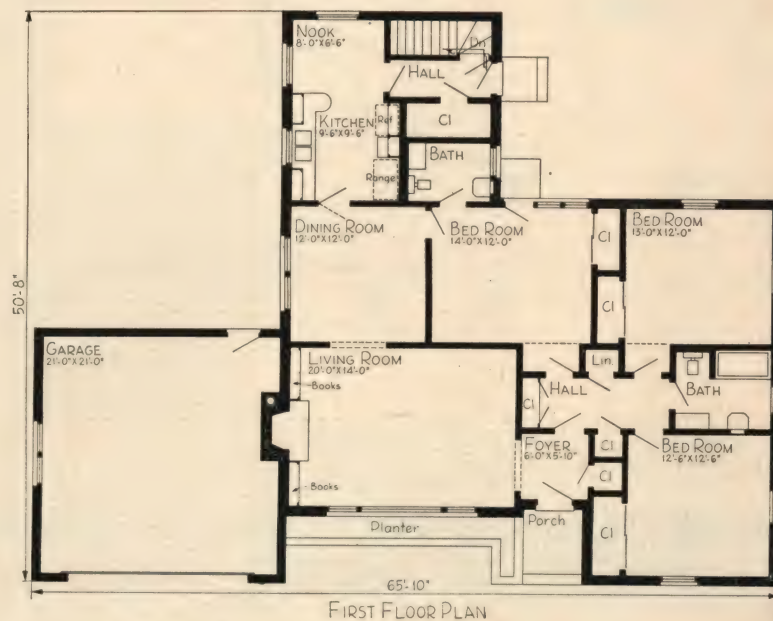


■ The inside-outside garden is seen here from the outside (above) and from the entrance through the stone-floored foyer (left).

THREE BEDROOMS—OR TWO BEDROOMS WITH DEN, 1½ BATHS

THE SPACIOUS, WELL-ARRANGED rear wing of this home includes a corridor-type kitchen, nook, storage and half bath, is a big attraction. Architect Arnold Schaffner has located one bedroom (the center one) so that it can be used as a den. **Area is 1,644 sq. ft.**

1443



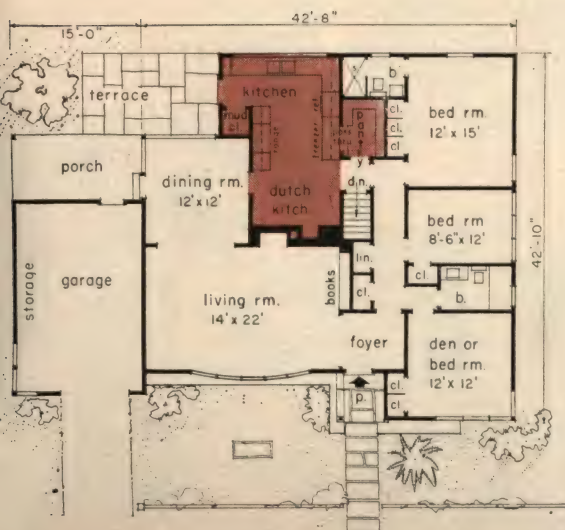
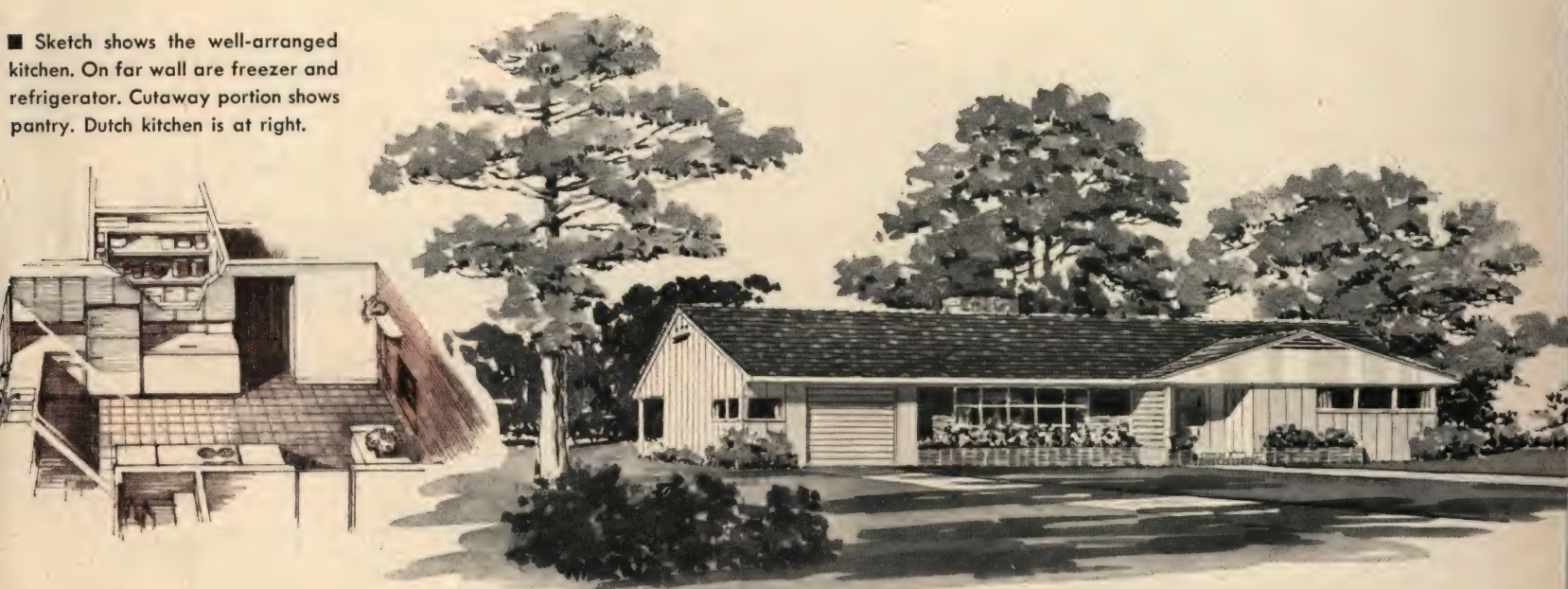


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FOYER AND GARDEN DIVIDE LIVING AND SLEEPING AREAS

THE MAIN AREAS OF this home by Architect Rudolph A. Matern are separated by the entrance foyer and a small garden. Garden has path connecting living room and master bedroom. Luxury features—private bath and dressing room, serving bar, half bath near entry. **Area is 1,526 sq. ft.**

■ Sketch shows the well-arranged kitchen. On far wall are freezer and refrigerator. Cutaway portion shows pantry. Dutch kitchen is at right.



1444

A KITCHEN THAT'S BIG, BEAUTIFUL AND EFFICIENT

THE KITCHEN IN THIS PLAN by Designer Edward R. Tyler has a large Dutch kitchen with barbecue at one end and a pantry with a novel two-way pass-through. There is a 4½-foot-long shower in private bath, and useful mud closet for wet-weather clothing. **Living area of the house is 1,537 sq. ft.**



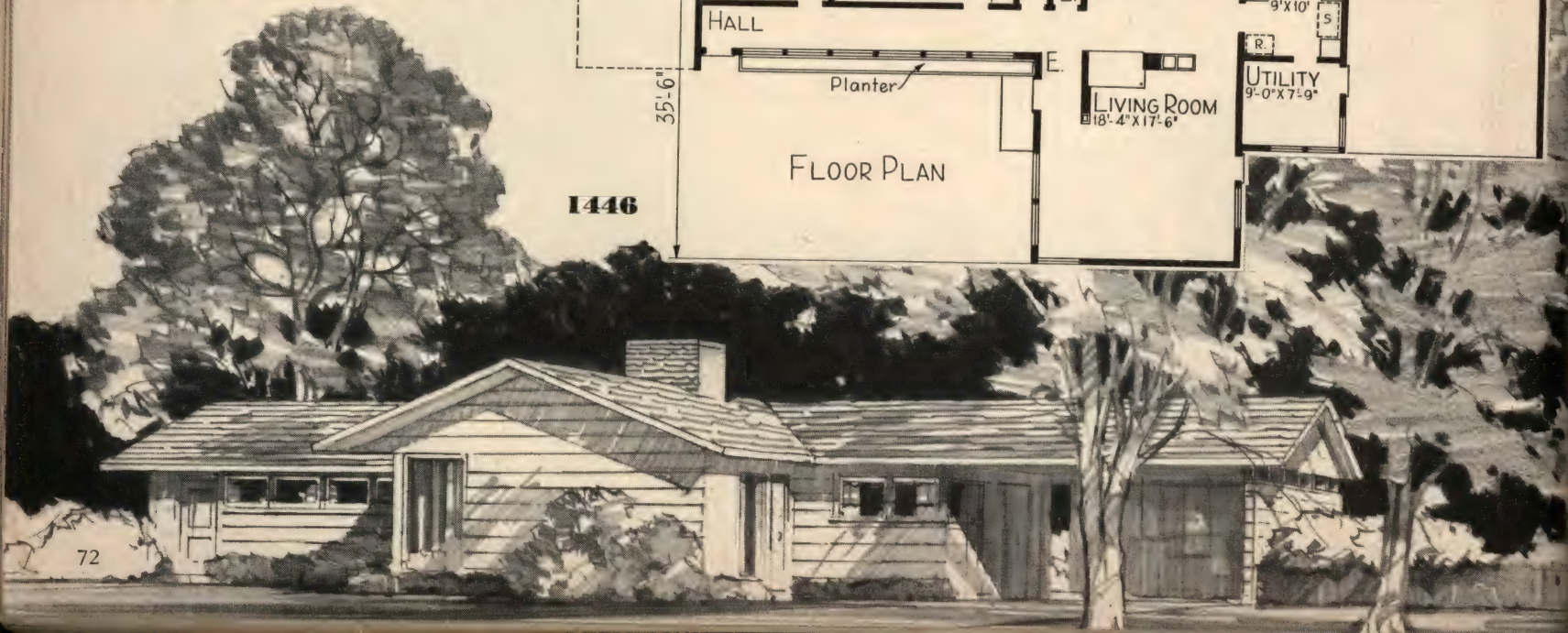
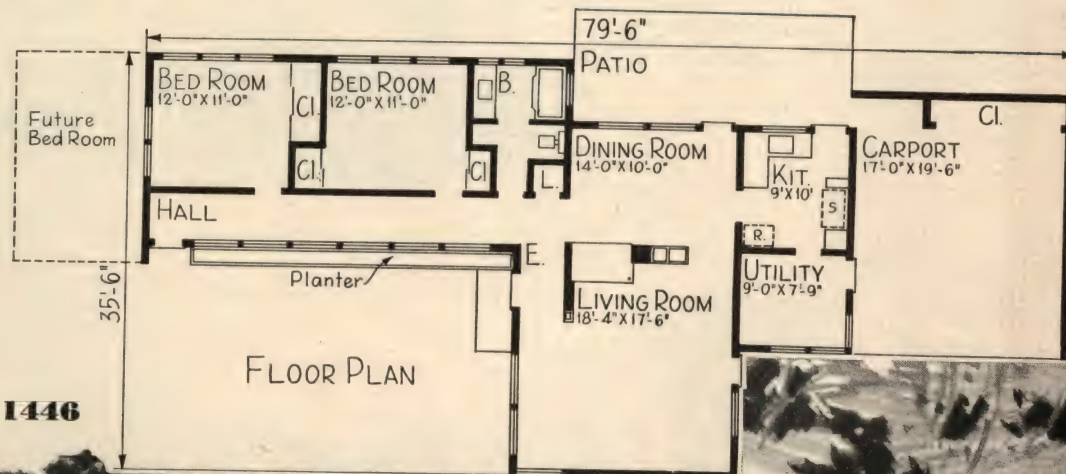
SPRAWLING HOUSE THAT'S IDEAL FOR CORNER LOT

THE LONG COVERED PORCH connecting carport and house makes this sprawling plan by Architect Walter T. Anicka look bigger than it really is. Fireplace treatment is of special interest. Kitchen-laundry is well arranged. Area is 1,665 sq. ft.



THE ORIGINAL RANCH-HOUSE TYPE

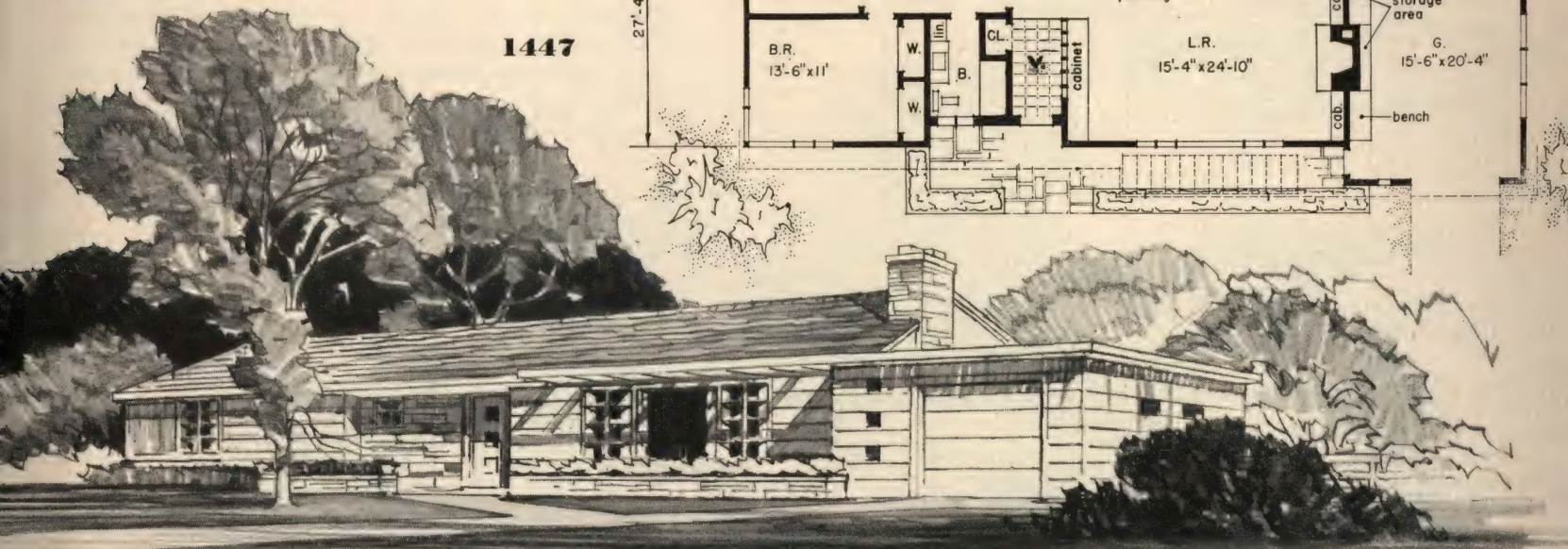
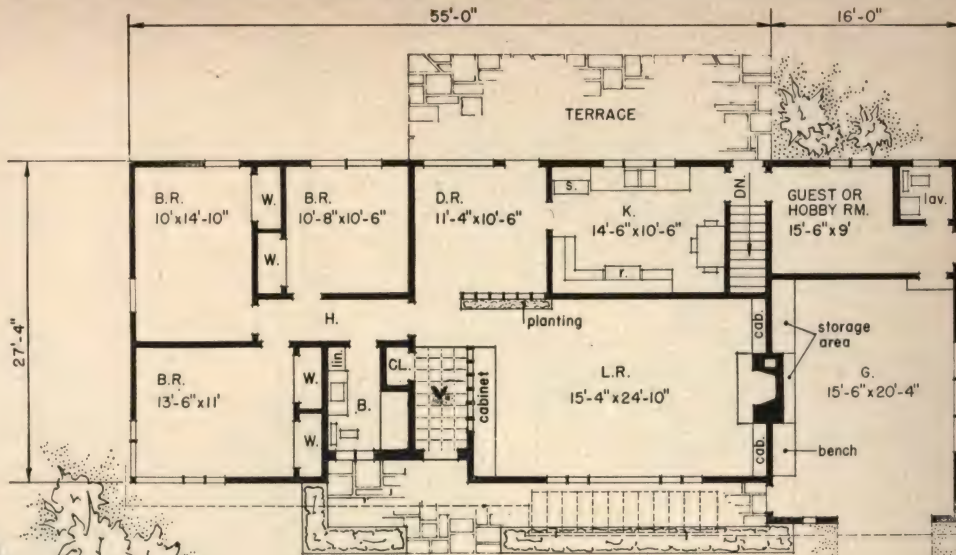
HERE'S A PLAN, by Architect Max P. Williams, that follows original ranch-house planning—with bedrooms added in a line along a hall. A future third bedroom is indicated at the end of the hall. Carport has a big storage unit. Area is 1,290 sq. ft.



BUILD PART OF IT LATER

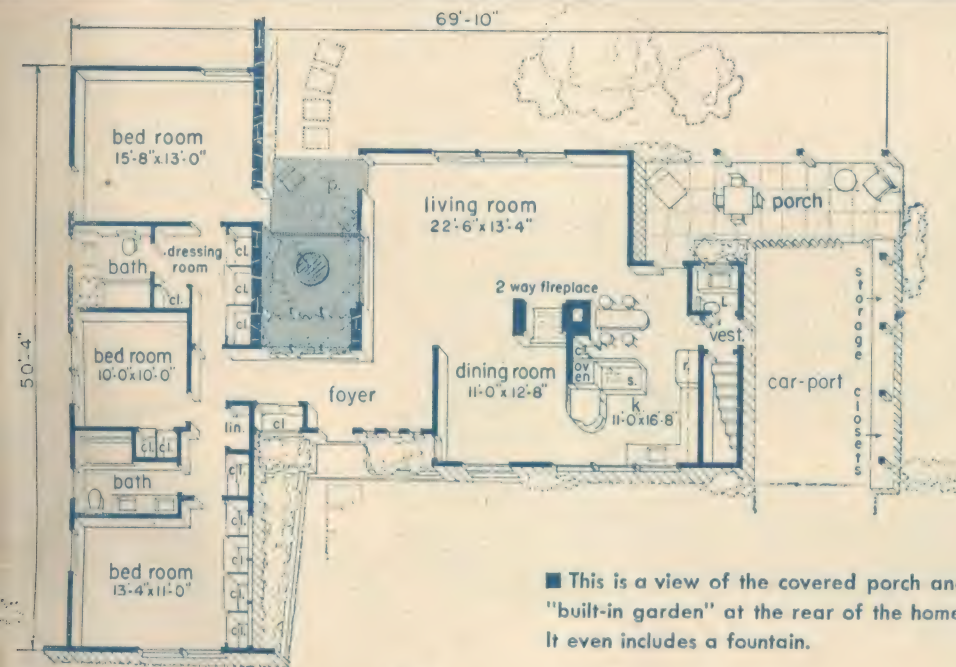
THE RIGHT END OF THIS HOUSE, planned by Architect Elmer Gylleck, could be left off in original construction and added later, although the guest-hobby room and garage are features most families will want immediately. Note the planter-divider in living area. Basementless version available. **1,489 sq. ft.**

1447



BUILT-IN GARDEN SPOT

ARCHITECT RUDOLPH A. MATERN here has built in a garden, separated from living room, foyer and rear porch by big glass areas. Note the two-way fireplace and unusual kitchen planning with floor-to-ceiling rounded cabinets beside oven. Bath, closet facilities are luxurious. **1,675 sq. ft.**



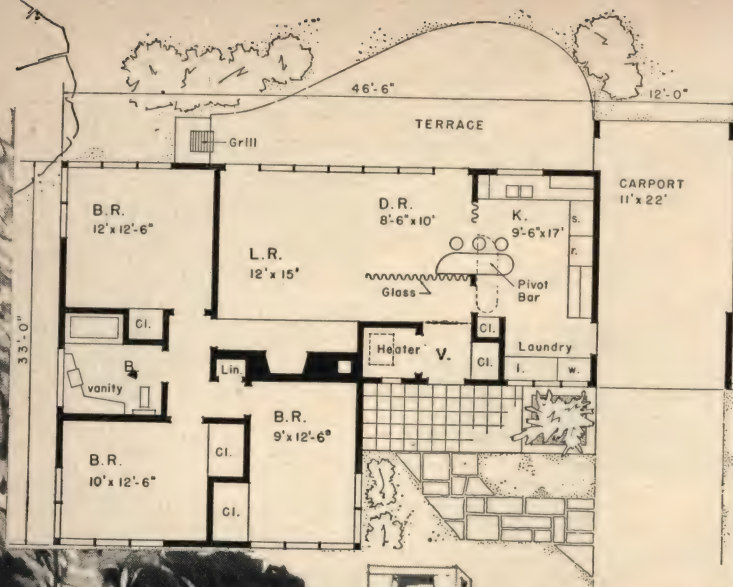
■ This is a view of the covered porch and "built-in garden" at the rear of the home. It even includes a fountain.

1448



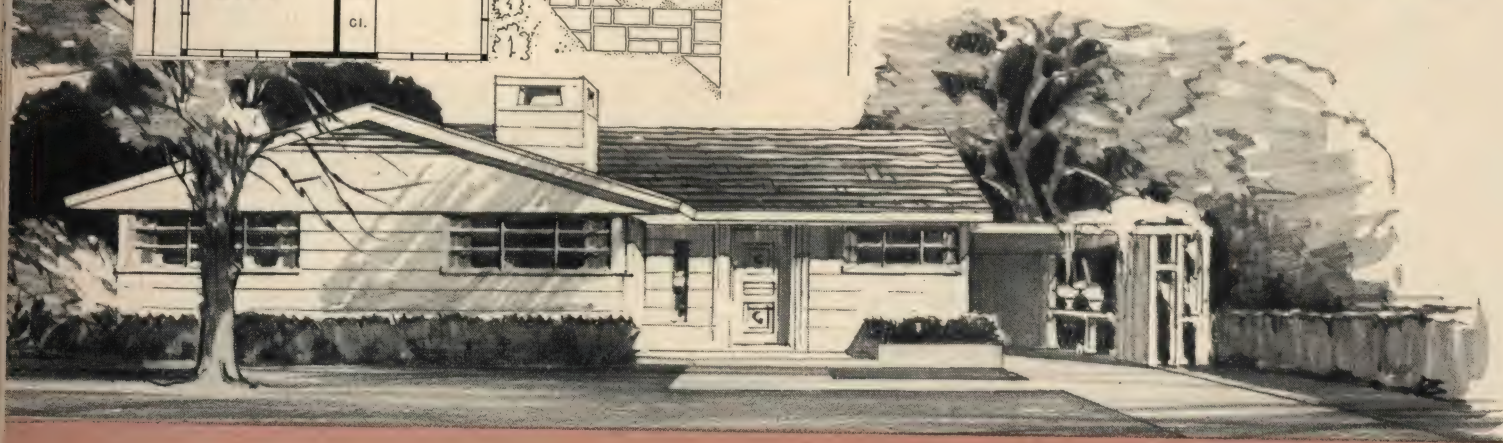
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BREAKFAST BAR ON A PIVOT

THE PIVOTING BREAKFAST BAR put in this home by Architect Paul T. Haagen is a highly original and efficient use of space. It almost completely divides or leaves open the kitchen and dining room, as you wish. The rear of the home, overlooking a terrace and grill, is virtually all glass. **Total area is 1,199 sq. ft.**

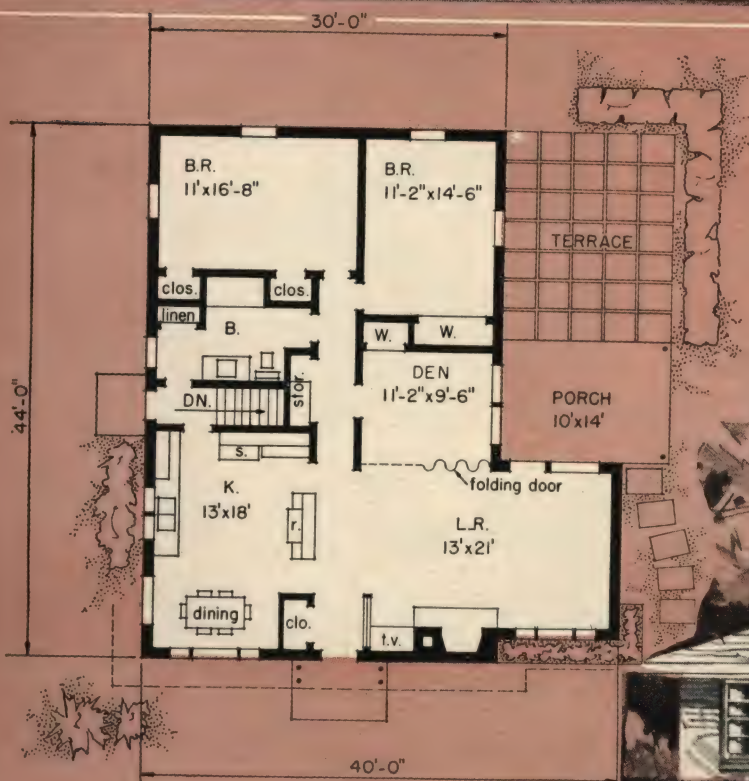


1449

LOW ROOF LINES, PLEASING EXTERIOR

A "BUILT-IN" PATIO and low roof lines mark this plan by Architect Gene Holt as distinctively modern. Note skylight over the walled patio and folding doors that allow it to expand into the garage. Closet, buffet and planter form a useful room divider between living and dining rooms. **House area is 852 sq. ft.**

1450



THREE CHOICES FOR ONE ROOM

THE DEN IN THIS HOUSE by Architect Elmer Gylleck is so located that it can also serve equally well as a dining room or a third bedroom—whichever is needed most. The kitchen is big enough to accommodate most dining. Note the island of cabinets and range serving as a divider. **Area is 1,470 sq. ft.**

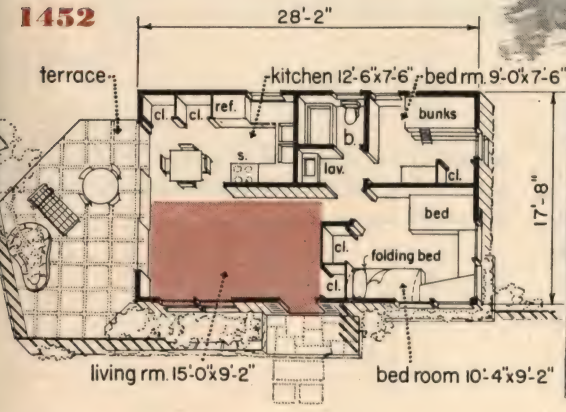
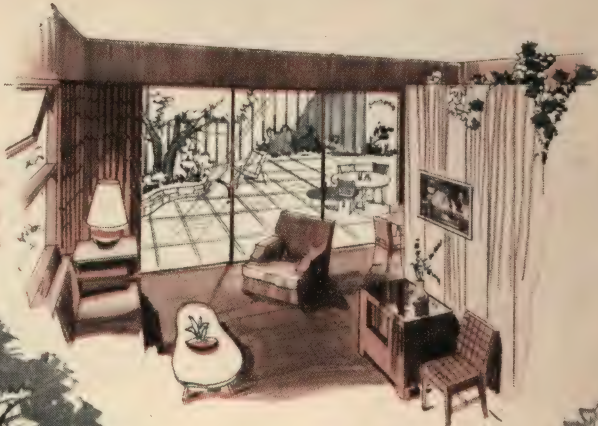
1451



THIS EDITION'S TINIEST HOUSE

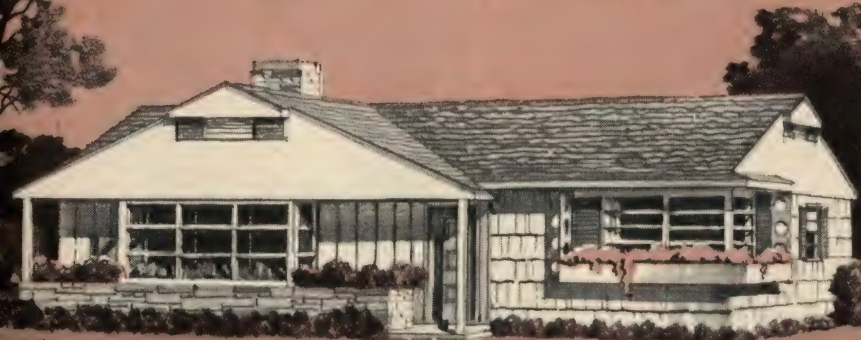
THE ABSOLUTELY MINIMUM HOUSE—with a lot of livability packed into it—is presented here by Architect Rudolph A. Matern. It has indoor-outdoor dining, sleeping space for four persons, five closets, split bath and it looks bigger than it is. Only 496.5 sq. ft.

■ Sketch shows the view from living room through sliding glass wall into private garden at left side.

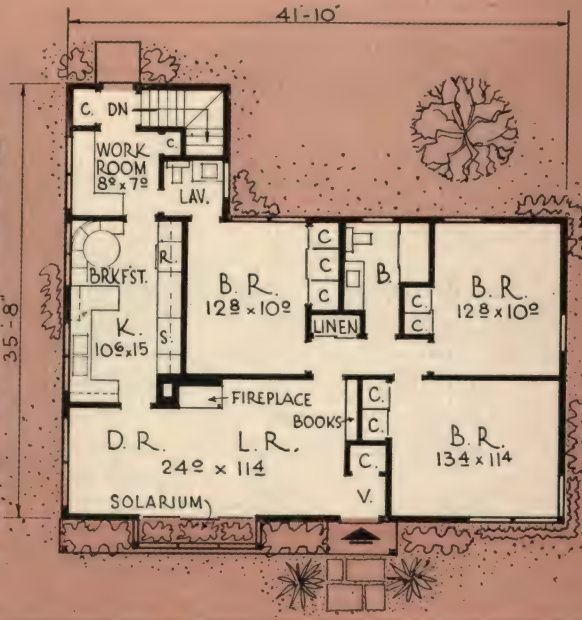


A VERSATILE WORKROOM

THE WORKROOM at the rear of this plan by Designer Robert B. Marshall can be used as laundry, workshop, sewing room, hobby room—or perhaps several of these. Living room has solarium, corner fireplace. Half bath is well located. House area is 1,197 sq. ft.



1453

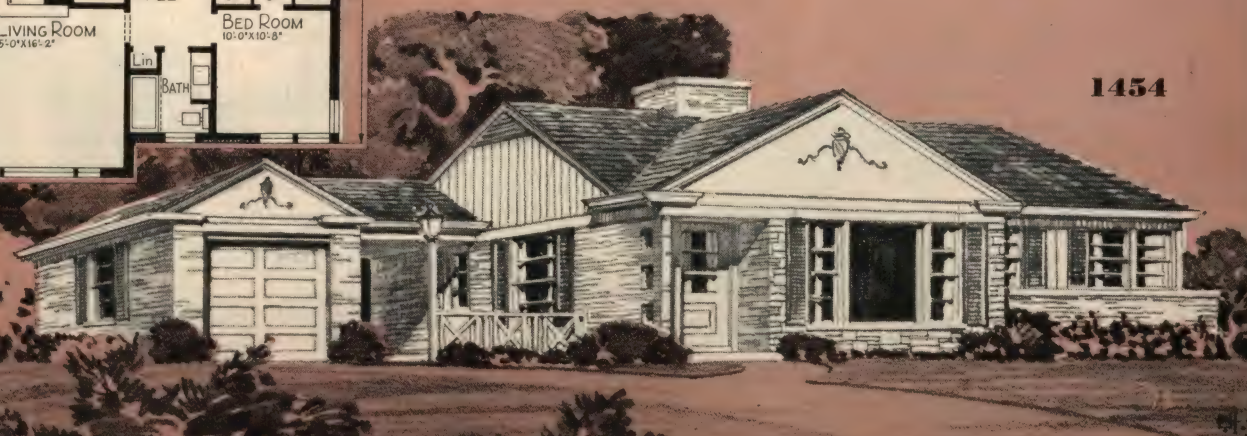


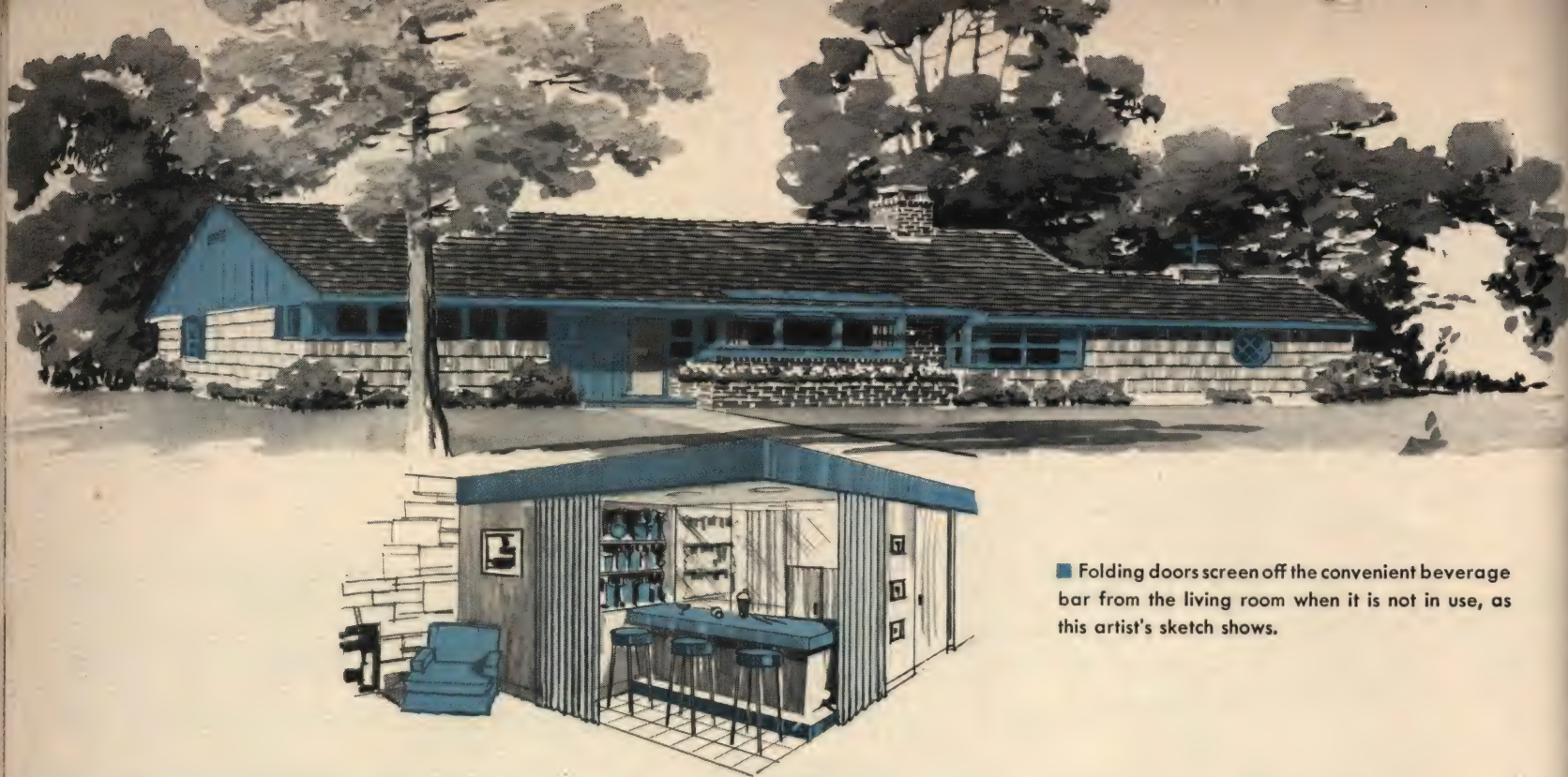
CHILDREN WITHIN VIEW

AN OUTDOOR PLAY SPACE for children, which is visible from the housewife's work center, has been provided here by Architect Erwin H. James. The kitchen and nook are big and arranged for maximum efficiency. Note two-way closet wall. Total area is 1,188 sq. ft.

1454

WORKING DRAWINGS for all home designs throughout this section are available. If any design meets your requirements, write directly to the plan source listed on page 85.



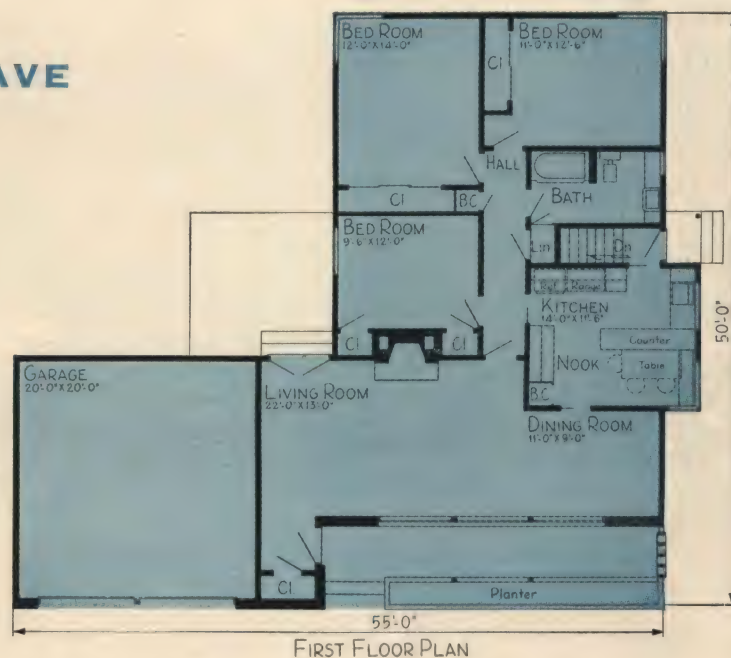


■ Folding doors screen off the convenient beverage bar from the living room when it is not in use, as this artist's sketch shows.

FOR THOSE WHO LONG TO HAVE A FRONT PORCH

IN ONE WAY, Architects Grainger Thomas and Baar here present a return to tradition—the narrow, sheltered front porch between the planter and the big windows. The L shape provided by the garage makes this medium-sized house appear larger, more substantial. The kitchen-breakfast area is efficient, amazingly compact. **Area of the house is 1,370 sq. ft.**

1456

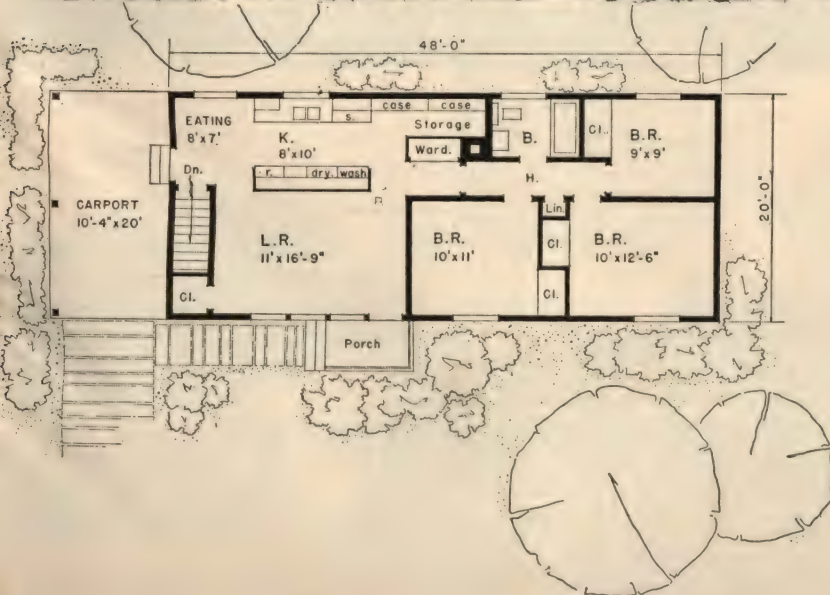
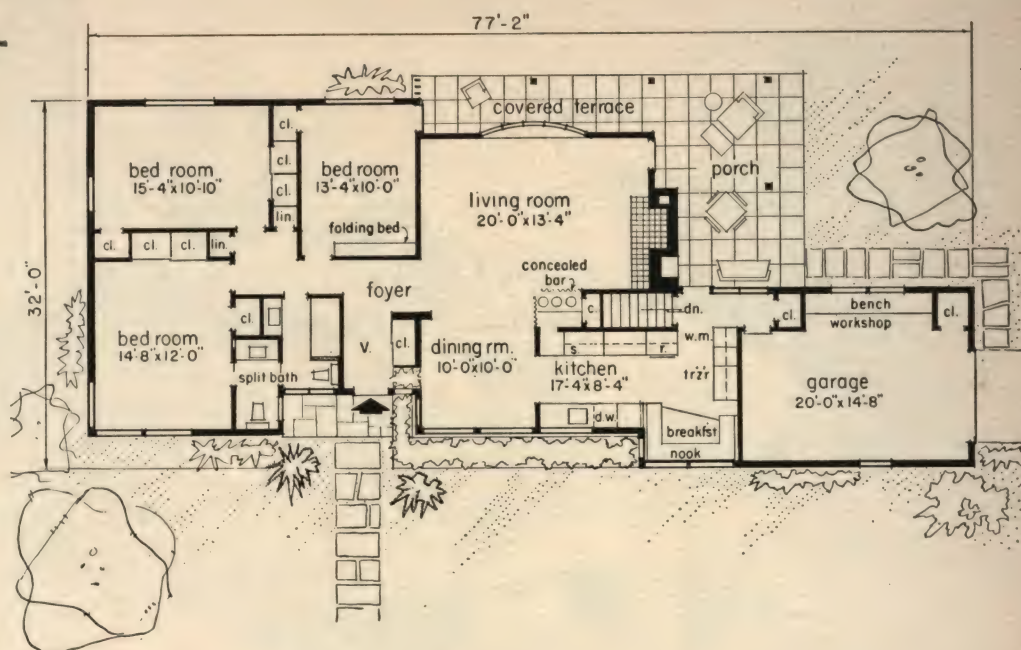


WORKING DRAWINGS for all home designs throughout this section are available. If any design meets your requirements, write directly to the plan source listed on page 85.

ENTERTAINMENT HOUSE— WITH HIDDEN BAR

THE CONCEALED BAR opening into the living room is an interesting point in this plan by Designer Edward R. Tyler. The corridor kitchen, garage workshop and big covered terrace are other deft touches contributing to enjoyable living. The plan is ideal for a corner lot. **Area 1,498 sq. ft.**

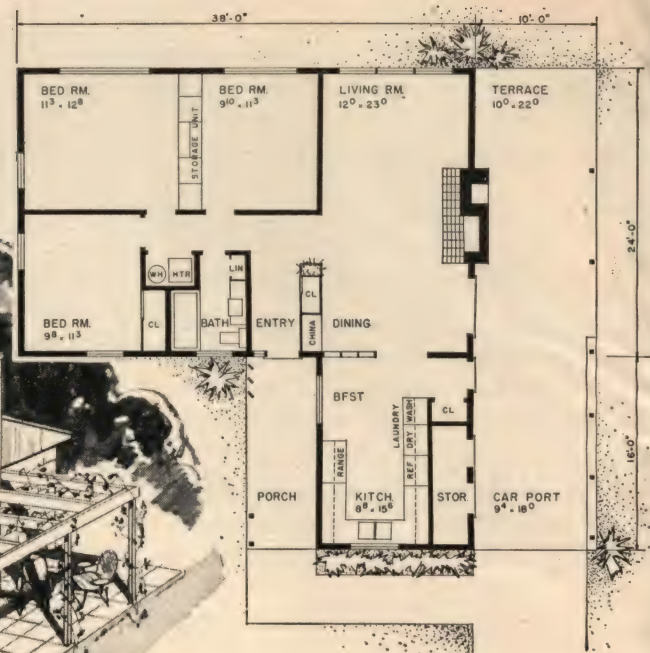
1455



AN ECONOMICAL RECTANGLE

ECONOMICAL CONSTRUCTION is one of the big points in favor of the plan by Designer Jules Reither shown here, for it's a simple rectangle. Kitchen and laundry equipment are set in an island in the living area. There is abundance of storage space; a basementless version, too. **Area of the house is 960 sq. ft.**

1457



1458

MODERN PLANNING is exemplified here by Architect Walter T. Anicka. Kitchen, dining and living rooms are open, spacious. Exterior lines are pleasing. Generous storage space is provided throughout. Area is 1,120 sq. ft.

INSIDE AND OUT—

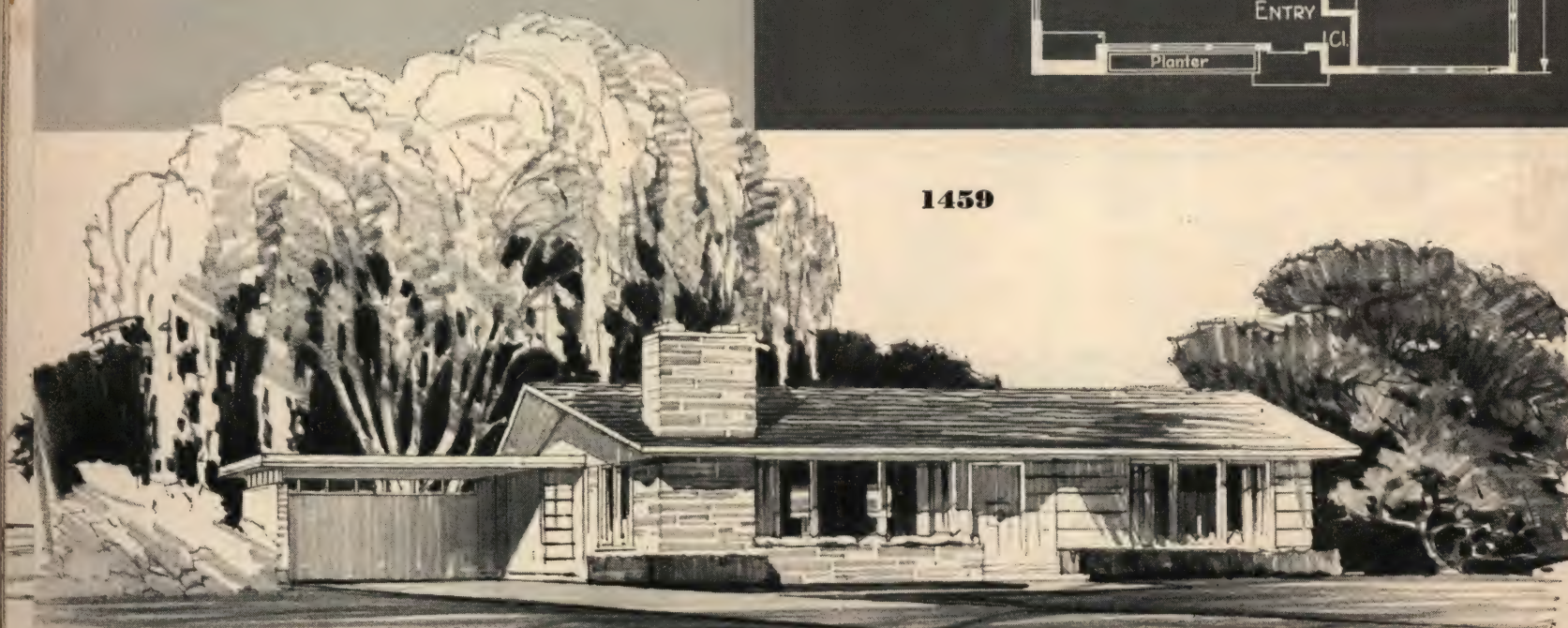
A CONTEMPORARY HOUSE

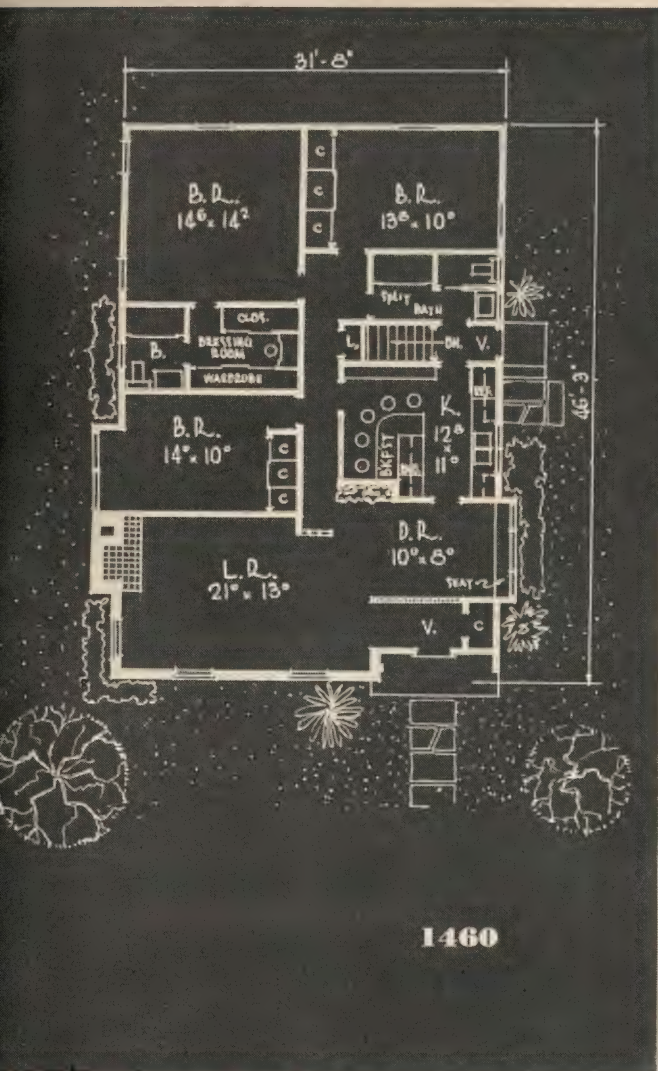
LARGE LIVING ROOM

A BIG, BIG LIVING ROOM is the top attraction in this house by Architect Max P. Williams. Note the two good-sized storage closets in the double carport. There are large windows all the way around the house. 1,166 sq. ft.



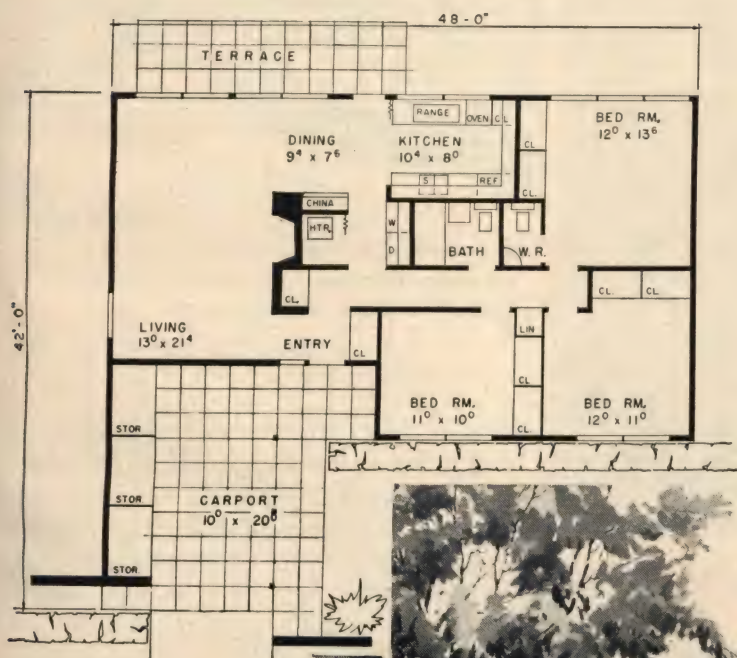
1459





THREE-BEDROOM WITH EXTRAS

LUXURY FEATURES are to be found here. Designer Robert B. Marshall has dressed up the home with two full baths, a dressing room, big closets and a novel breakfast-bar arrangement. Total area is 1,470 sq. ft.

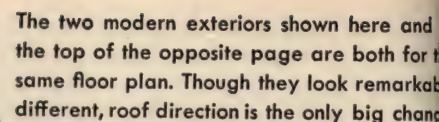


HERE'S A REALLY OPEN INTERIOR PLAN

A BIG FIREPLACE island is the only division Designer Richard B. Pollman has put in nearly half the space in this three-bedroom home. Each bedroom has a closet wall; one has a private wash room. Kitchen layout is excellent. Total living area is 1,212 sq. ft.



FOR BLUEPRINTS—If you like any of the designs in these pages and want further information, consult the list of plan sources on page 85. Write directly to the architect or designer. SMALL HOMES GUIDE does not sell plan blueprints.



■ This is the view from the reception hall into the living room and the corridor leading to the guest room-study.

1464

75'-0"

48'-6"

sunken garden

studio level

porch

garden

storage

garage

dining room 12'-8" x 11'

living room 19' x 15'

foyer

play room

bed room 16' x 13'-4"

bed room 13' x 9'

bed room 13' x 11'-4"

kitchen: 16x10 stove, oven, refrigerator, washer, dryer, breakfast bar, folding part.

sunken garden

studio level

porch

garden

storage

garage

dining room 12'-8" x 11'

living room 19' x 15'

foyer

play room

bed room 16' x 13'-4"

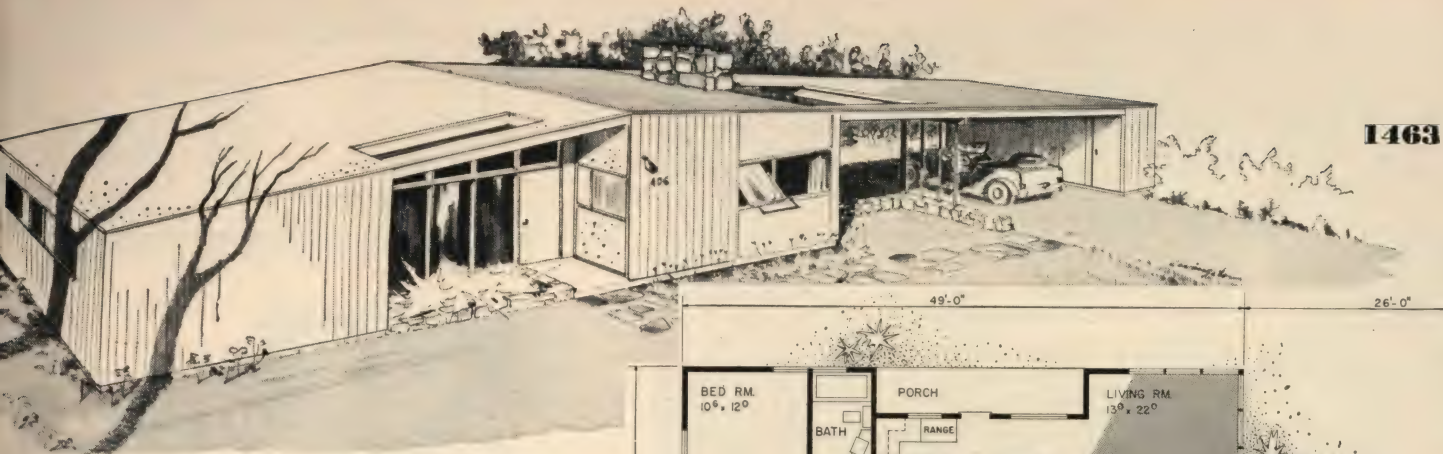
bed room 13' x 9'

bed room 13' x 11'-4"

kitchen: 16x10 stove, oven, refrigerator, washer, dryer, breakfast bar, folding part.

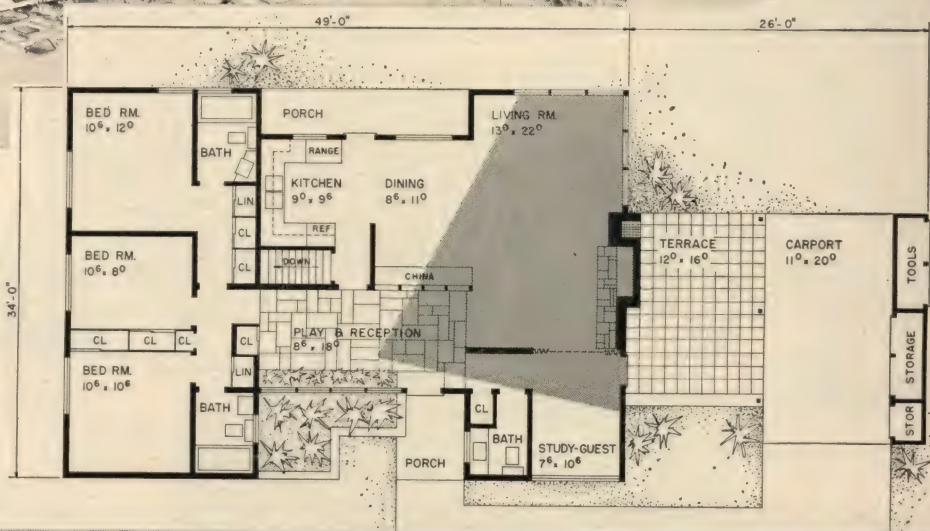
A black and white photograph of a long, single-story house with a gabled roof and a central chimney. The house has a covered porch area and is surrounded by trees and landscaping.

80



1463

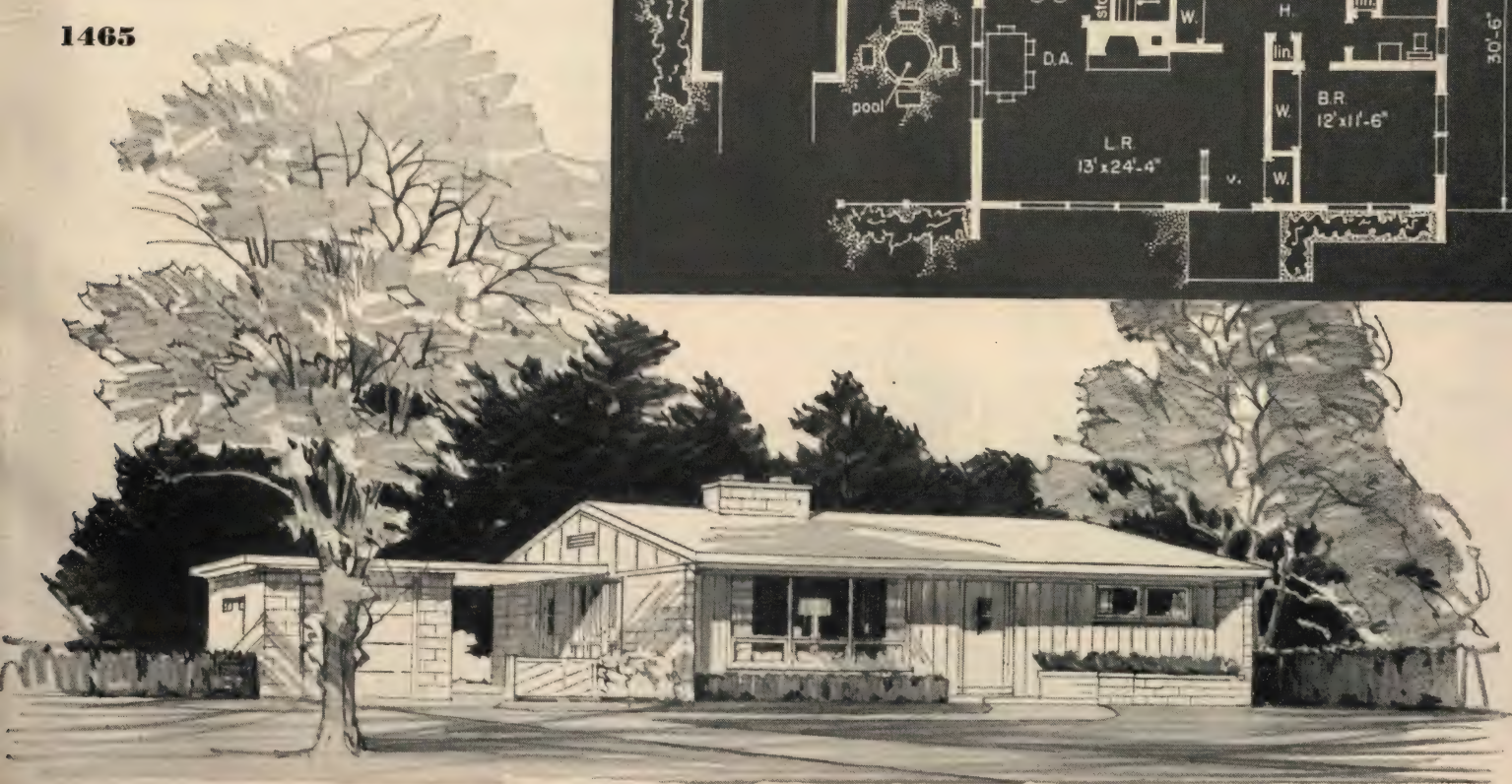
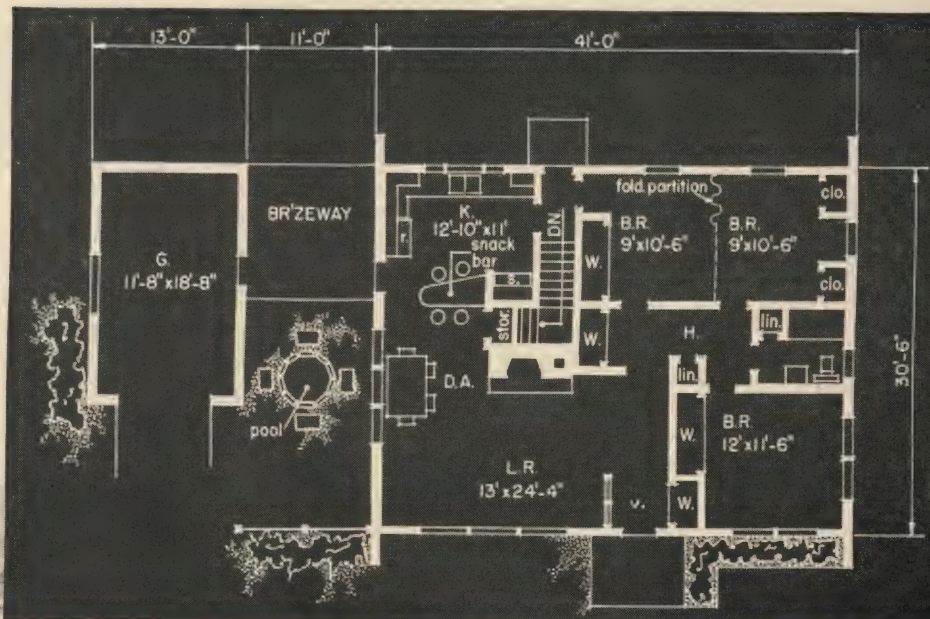
TWO DRAMATICALLY MODERN exteriors are presented by Architect Walter T. Anicka for this house. It has unusual reception hall and guest-room treatment, lots of closets, two full bathrooms. Kitchen, dining and living rooms form a big, open T. Note corner of window walls in living room. Area is 1,468 sq. ft.



SMALL, COMPACT HOUSE WITH THREE BEDROOMS

SIMPLICITY OF DESIGN makes this an economical house to build. Architect Elmer Gylleck has put maximum livability into this small three-bedroom design. Hall space is minimum. Folding partition allows two bedrooms to be merged into one. Basementless version is available. 1,250 sq. ft.

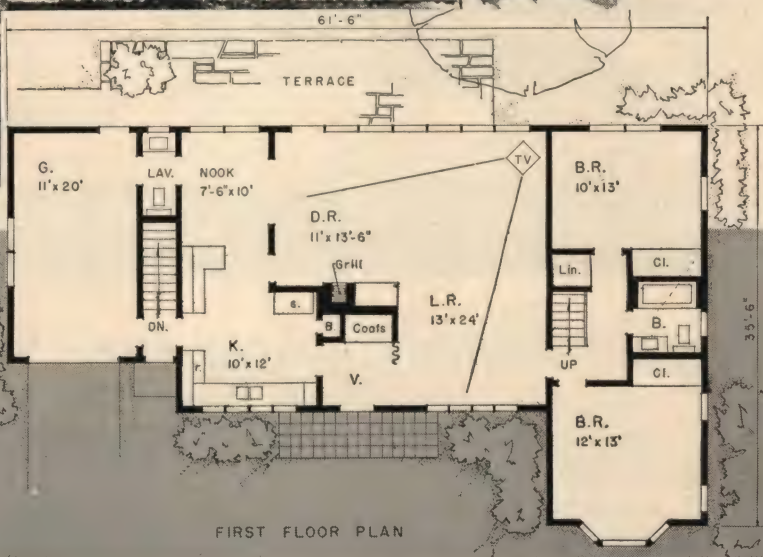
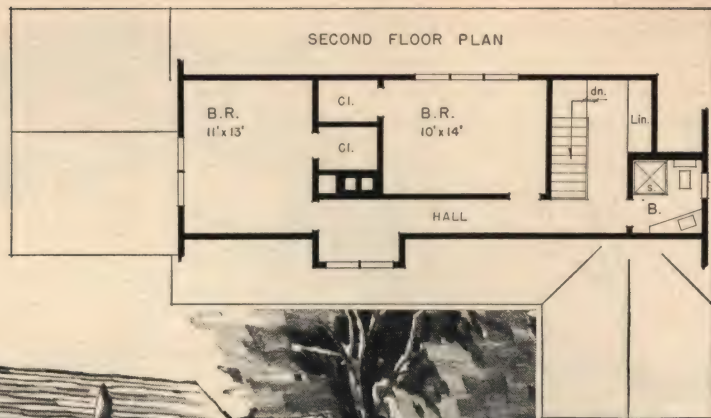
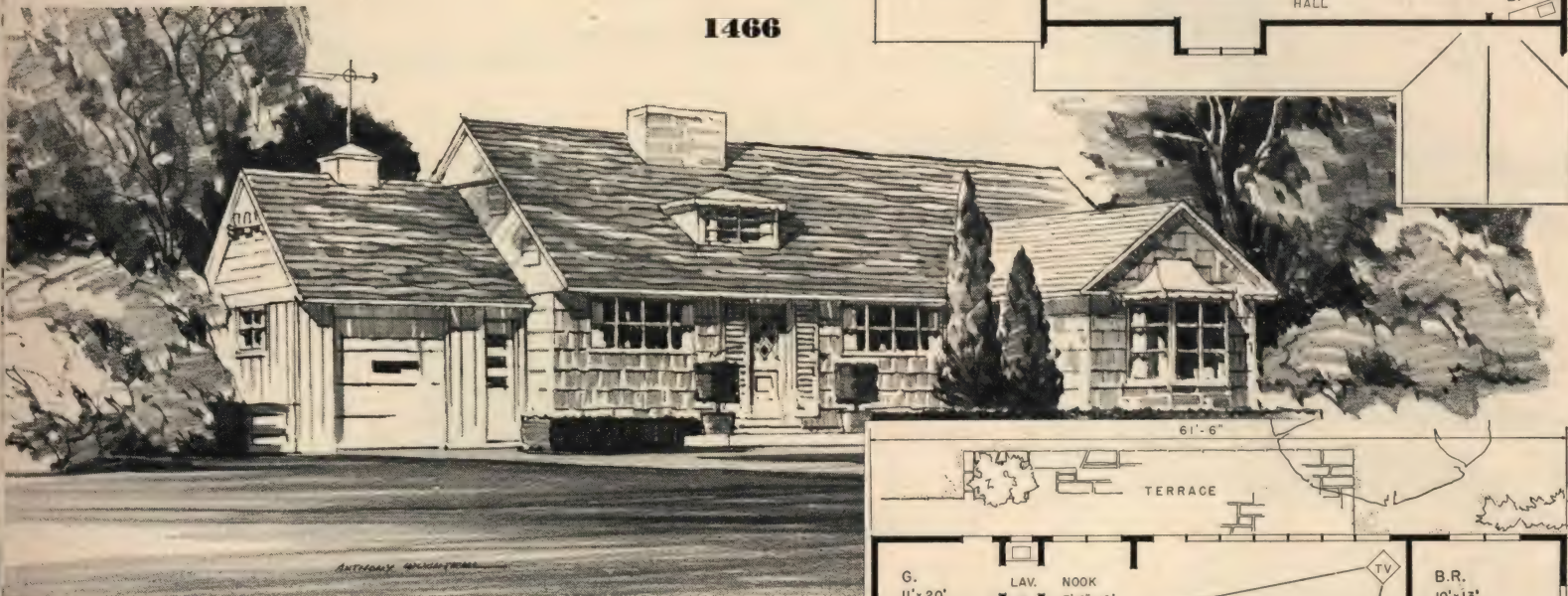
1465



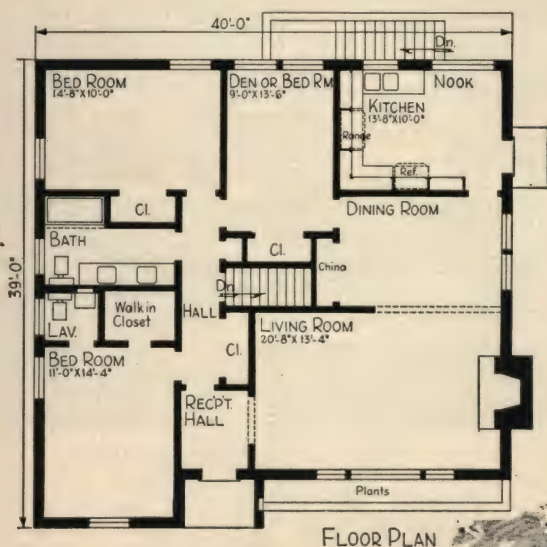
FOUR-BEDROOM HOME

WITH OPEN PLANNING

1466



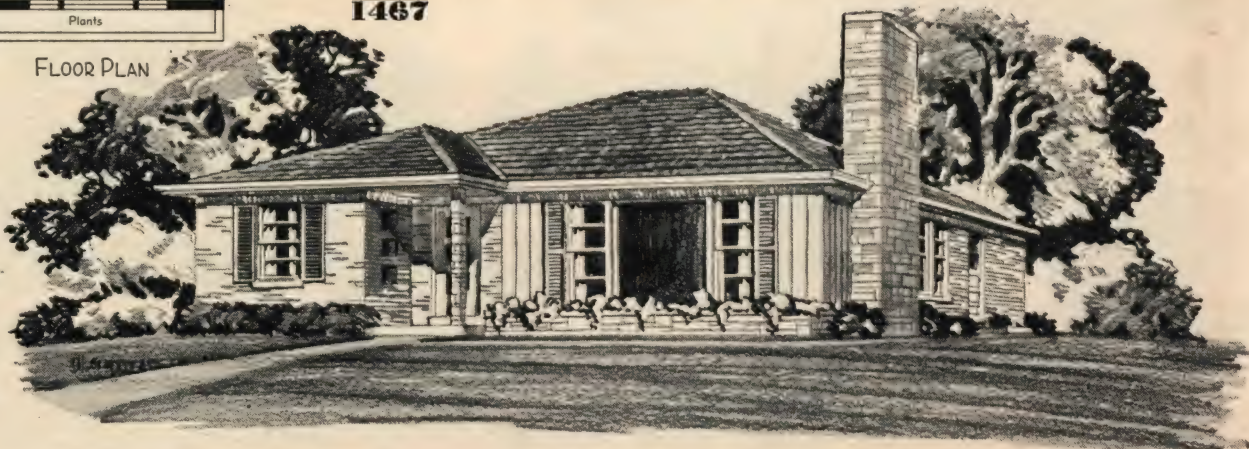
THE EXCELLENT OPEN PLANNING of this four-bedroom traditional design by Architect Paul T. Haagen makes it possible to see TV from most of the living area. Home has 2½ baths, large window areas at the rear. Living area of the house is 1,290 sq. ft.



TWO OR THREE BEDROOMS

ARCHITECT ERWIN H. JAMES has planned this home so that the den can become a third bedroom if preferred. Living and dining rooms form one big open area. Front bedroom has half bath, walk-in closet. Kitchen is big. Area 1,450 sq. ft.

1467



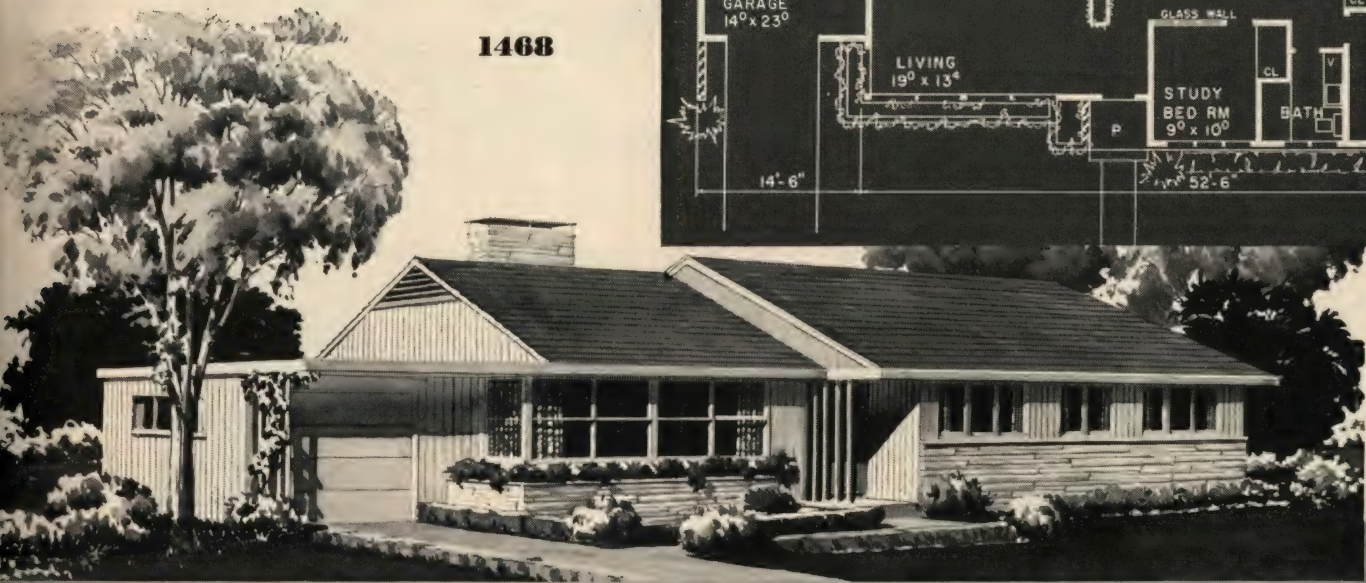
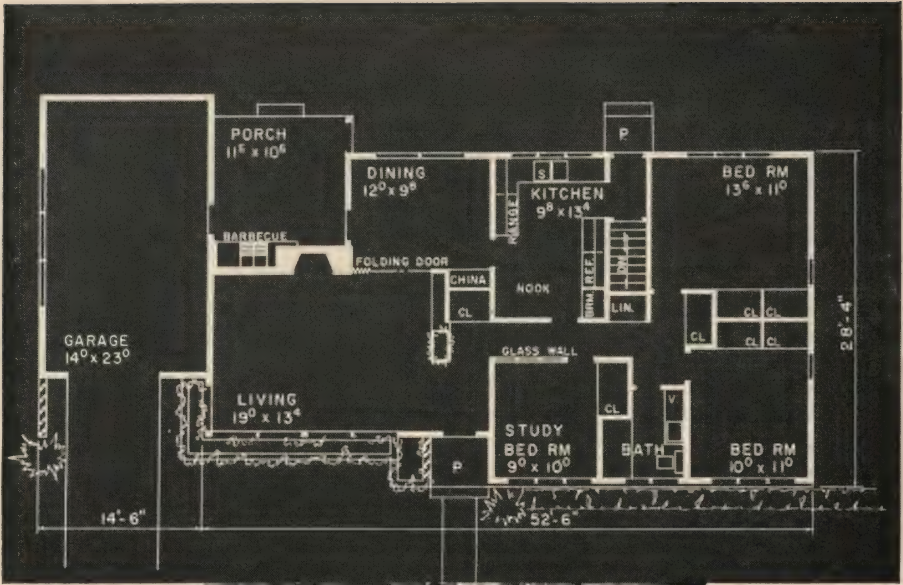
WORKING DRAWINGS for all home designs throughout this section are available. If any design meets your requirements, write directly to the plan source listed on page 85.

ROOM DIVIDERS

USED TO

GOOD ADVANTAGE

1468

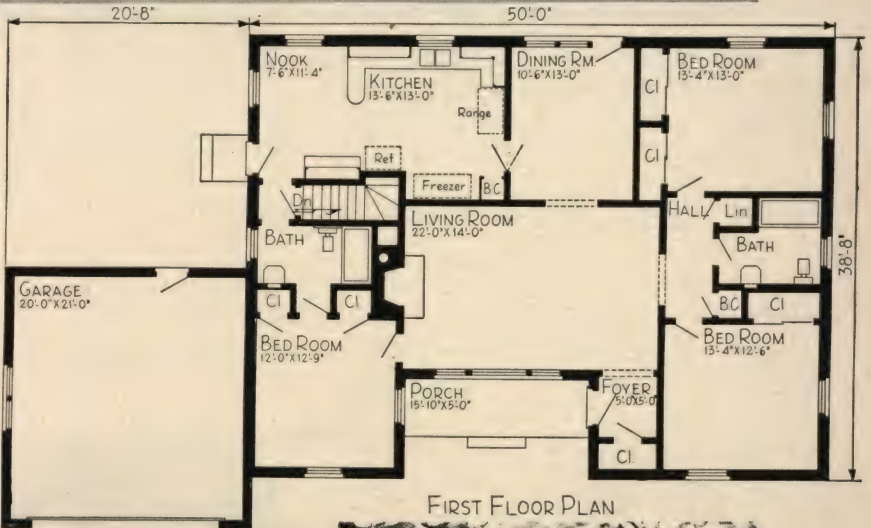


SKILLFUL PLACEMENT of two room dividers—a planter and a folding door—by Designer Richard B. Pollman gives this home the convenience of open planning without sacrificing privacy. Maximum storage facilities have been provided throughout the house. Area is 1,289 sq. ft.

BIG, CONVENIENT KITCHEN

THE BIG KITCHEN-NOOK area in this large house planned by Architect Arnold Schaffner is a pleasant place for work. A basementless version is available, in which the second bath (adjacent to stairs) is cut to half bath. Living area of the house is 1,746 sq. ft.

1469

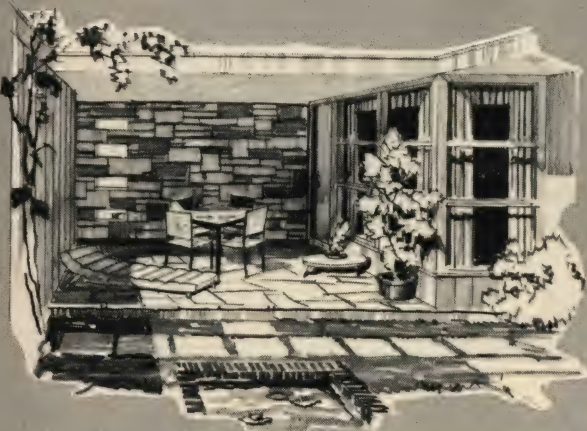


SHELTERED ENTRANCE; BIG PORCH

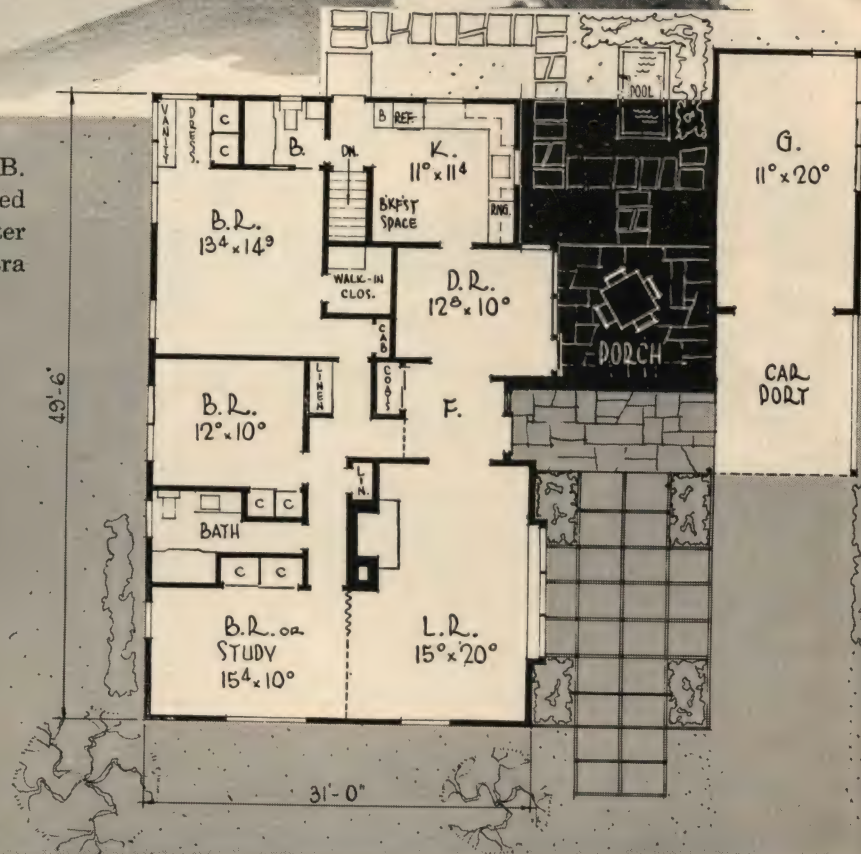


1470

THIS THREE-BEDROOM HOME by Designer Robert B. Marshall has an interesting entrance, a huge, sheltered breezeway-porch for dining or entertaining. The master bedroom is luxurious, with its own dressing room, extra closet, entrance to bathroom. Area is 1,524 sq. ft.



■ This is a view of the rear porch, looking across the pool into the big dining-room windows.



A HOUSE FOR THE FAMILY

THE BIG FAMILY ROOM, which can be closed off from the dining area but is open to the U-shaped kitchen, makes this home by Architects Grainger Thomas and Baar a hit with all the family. Living area of the house is 1,395 sq. ft.

1471





VARIATIONS IN EXTERIOR

DESIGNER RICHARD B. POLLMAN has made this plan available with four trim, contemporary exteriors, two of which are shown here. Nearly every partition is a full storage wall. The open arrangement of the corridor-type kitchen and the laundry is unusual and efficient. Living room is at the rear for privacy, outdoor view. Area is 971 sq. ft.

1472



If You Want Blueprints of Homes in This Issue—

Working drawings for all numbered home designs shown on pages 47 through 85 of this issue are available at accepted prices. For price and other information on the blueprints you want, please write directly to the plan source in the list below, identifying the plan by number. SMALL HOMES GUIDE does not sell plans.

| DESIGNER AND PLAN SOURCE | PLANS |
|--|------------------------------------|
| Walter T. Anicka, architect and plan source, 617 S. Forest Ave., Ann Arbor, Mich. | 1412, 1437, 1445, 1458, 1462, 1463 |
| Joseph T. Froh, designer and plan source, 438 N. Spring Ave., LaGrange, Ill. | 1440 |
| Grainger Thomas & Baar, architects and plan source, Arcade Bldg., Seattle 1, Wash. Att. E. J. Baar (Airmail reply to airmail inquiries.) | 1435, 1456, 1471 |
| Robert A. Green, architect and plan source, Tower Hill, Tarrytown, N. Y. | 1401, 1434 |

| DESIGNER AND PLAN SOURCE | PLANS |
|--|--|
| Elmer Gylleck, architect and plan source, 191 S. Grove Ave., Elgin, Ill. | 1416, 1421, 1426, 1429, 1439, 1447, 1451, 1465 |
| Paul T. Haagen, architect and plan source, 360 N. Michigan Ave., Chicago 1, Ill. | 1409, 1432, 1449, 1466 |
| Gene Holt, designer and plan source, 2552 Texhoma Drive, Oklahoma City, Okla. | 1450 |
| Erwin H. James, architect and plan source, 4744 N. Albany Ave., Chicago 25, Ill. | 1403, 1410, 1428, 1454, 1467 |
| Robert B. Marshall, designer and plan source, 455 Herbert St., West Hempstead, N. Y. | 1420, 1425, 1427, 1441, 1453, 1460, 1470 |
| Rudolph A. Matern, architect and plan source, 90-04 161st St., Jamaica 2, L.I., N.Y. | 1414, 1424, 1431, 1442, 1448, 1452, 1464 |

| DESIGNER AND PLAN SOURCE | PLANS |
|---|--|
| Richard B. Pollman, designer and plan source, 16310 Grand River, Detroit 27, Mich. | 1404, 1406, 1418, 1433, 1461, 1468, 1472 |
| Jules F. Reither, designer and plan source, 2310 Tamarack Way, Sacramento 21, Calif. | 1422, 1457 |
| Arnold Schaffner & Associates, Chicago, architects. Write for plans to: R. H. Hanauer, P.O. Box 358, 203 W. 20th St., Santa Ana, Calif. (Will airmail reply.) | 1405, 1411, 1415, 1419, 1430, 1438, 1443, 1469 |
| Edward R. Tyler, designer and plan source, 586 Macon Pl., Uniondale, N.Y. | 1402, 1413, 1417, 1436, 1444, 1455 |
| Bertram A. Weber, architect and plan source, 221 N. LaSalle St., Chicago 1, Ill. | 1407, 1423 |
| Max P. Williams, architect and plan source, 1919 S.W. 12th Ave., Portland 1, Ore. (Will airmail reply.) | 1408, 1446, 1459 |

Art in Iron

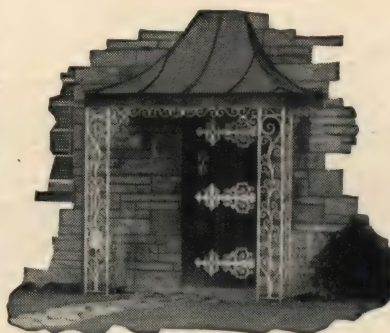
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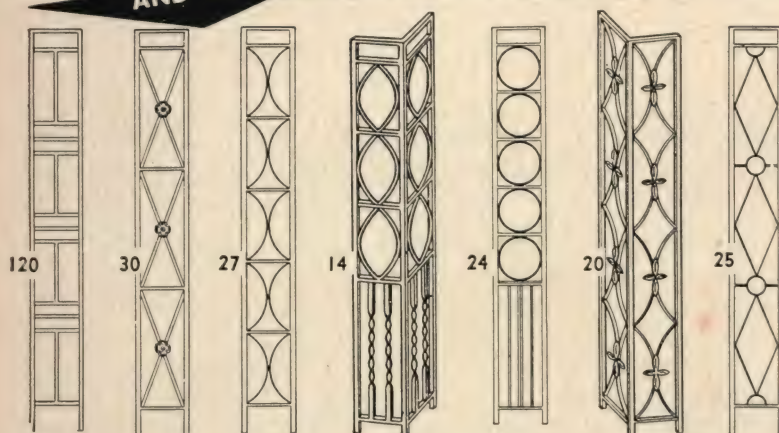
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ORNAMENTAL IRON

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IF you plan to build a **GUIDE** home

The Design section of SMALL HOMES GUIDE twice a year makes available to every American family the best home planning of more than a dozen outstanding architects and designers.

Among the 72 plans in this edition you will find top-notch examples of every type of home popular today—split-level, ranch, 1½-story, contemporary and traditional. As always, the Design section in this magazine is intended to serve in two capacities—as showcase and as textbook.

If you're "on the verge," if you have decided that now is the time to make the biggest and best investment of your life, this edition's Design section can prove very likely to be the showcase from which you pluck the home of your dreams.

If, on the other hand, your plans are still in the nebulous stage and you aren't exactly sure what you want in a home, our six dozen designs will serve you as a textbook—presenting in one compact package a veritable education in all that's modern. In this case, your part of the job is to study each plan in an effort to decide what architectural style and what features best fit your taste and needs.

We trust that as you analyze each plan, you will ultimately hit on the house intended for you. If you aren't in a position to build today, you will want to file the design away to be compared with future SMALL HOMES GUIDE plans.

For those of you who must build immediately, here is the procedure recommended by the editors:

Determine first if the one or more plans you pick as best suited to your needs are within your budget. A part of the description of each plan in the magazine is the total square footage of the living area, exclusive of porches, terraces, garages, carports and the like. From this figure, your local contractor will be able to determine approximately how much it would cost to build the house.

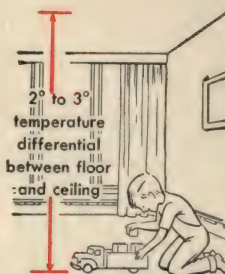
Unfortunately, it is impossible for SMALL HOMES GUIDE to give any indication, other than in this indirect manner, of the cost of a home. Labor costs, the prices of materials and other factors vary so much from area to area that even an approximation would be virtually meaningless.

After checking approximate construction costs with a contractor, write to the architect or designer who produced the plan. These plan sources are listed on page 85 in this edition. The plan source will be glad to give you the cost of blueprints.

When you have received the necessary informa-

(continued on page 260)

PUT A RING OF SUNSHINE AROUND YOUR HOME



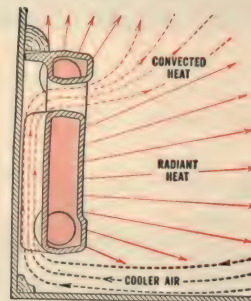
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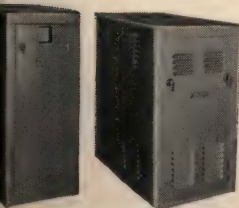


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After

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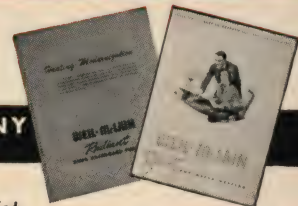
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MICHIGAN CITY, INDIANA

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Name.....

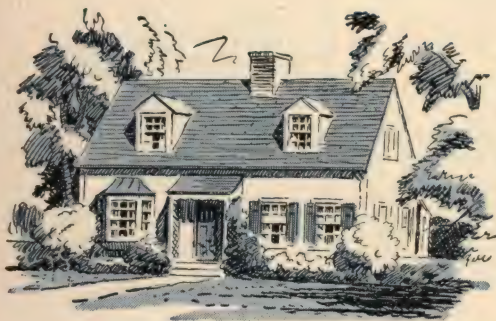
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are easier to get this year

The Home Financing Picture for 1954

For the past 6 months it has been getting easier to borrow money for financing home mortgages at low interest rates. From present trends it appears that home financing will be getting even easier in the months to come. Loans insured by the Federal Housing Administration (FHA) or guaranteed by the Veterans Administration (VA) were almost impossible to obtain in many areas during 1953. Now lenders are accepting these mortgages without hesitation. A major reason is that interest rates on many other types of investments, which for a period averaged considerably higher than mortgage interest rates, have dropped. As a result, lending institutions which had preferred to invest funds in certain government and industrial bonds, are finding it just as profitable to finance home mortgages.

Some indication of the development of these conditions may be seen in the volume of FHA applications, which have trended generally upward from the September, 1953, low to an 8-month high of about 38,000 units in February, 1954. This is particularly significant since February applications are characteristically lower than for most other months. There is a large amount of mortgage money available. The Federal Home Loan Bank Board reports that nonfarm mortgages of \$20,000 or less recorded in 1953 totaled nearly \$20 billion.

In deciding where he will apply for a home mortgage loan, the prospective borrower can choose among a number of different types of lenders. The mortgagees that originated the home mortgages insured by the FHA in 1953 were in the following groups:

| | |
|--|-------|
| National banks..... | 21.9% |
| State banks..... | 15.1 |
| Mortgage companies..... | 33.8 |
| Insurance companies..... | 13.9 |
| Savings and loan associations..... | 8.9 |
| Savings banks..... | 4.5 |
| Others (including industrial banks, finance companies, endowed institutions, private and state benefit funds, etc.)..... | 1.9 |

National banks, state banks, and savings banks together originated 41.5 percent of the total. Savings and loan associations make most of their loans without FHA insurance. About a third of all home mortgage loans are made by savings and loan associations.

The most satisfactory lender probably is an institution with which the borrower has already had mutually satisfactory dealings via a checking account, savings account, insurance trans-

AS WE GO TO PRESS a new housing bill is under discussion in congressional committee. The bill, based largely on recommendations made by President Eisenhower's 23-man committee on government housing policies and programs, is expected to come up for debate in both the House and Senate before long, and may have far-reaching effects on home financing.

Here is what the bill proposes to do for the prospective buyer or builder of a home: Mortgage ceilings financed under FHA would be boosted from \$16,000 to \$20,000, and down-payment requirements that are now a minimum of 20 percent of the value of the house could be reduced to as low as 5 percent of the first \$8,000 of value, 25 percent of the value above this. Under current financing rules, a \$25,000 house would require a down payment of \$9,000 for an FHA loan—if the bill is passed as proposed, the down payment on such a house would be reduced to \$5,000. To many families this can mean the difference between being able and not being able to afford a new home.

Another proposal would permit a flexible interest

rate on FHA and VA loans. Now FHA interest is rigidly set at 5 percent, VA interest at 4½ percent. The bill would allow the rate to be changed at the direction of the president within the limits of a maximum 6 percent. The thinking behind this is to prevent the impasse of 1953 where borrowers found it impossible to finance homes under FHA terms because mortgage lenders found it more profitable to put their money into higher-rate investments.

To encourage low-cost housing, sponsors of the bill would permit mortgage amortization periods on some types of loans to extend over a period of 40 years, with down payments as low as \$200.

Finally, FHA would be permitted to O.K. open-end mortgages, which to date has not been possible. (The adjacent article includes a discussion on the advantages of this type of financing.)

It is expected that the legislation will be officially on the books by the time our next issue goes to press. At that time we will bring you up to date on the exact provisions of the new law.



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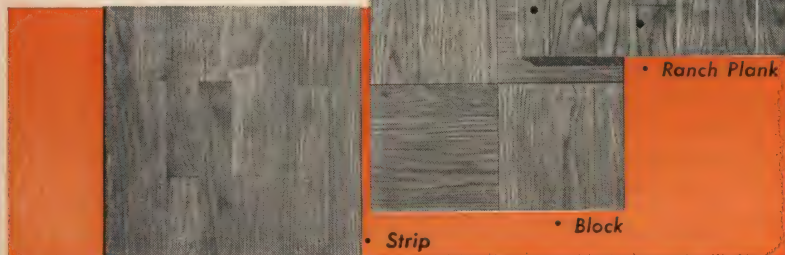
For cozy, informal charm, choose a Ranch Plank Floor (*above*) with random widths, walnut pegs and Decorator Finish. If you prefer modern design, there's the smart Bruce Block Floor that can be laid over concrete or wood subfloor. Or, for simple, appealing beauty, the natural choice is Bruce Strip Floor. All three floors are genuine solid oak with a superb factory finish to enhance and protect their beauty.

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actions. If he is favorably known to the institution, and if he feels that he has received fair and sympathetic treatment, it is only natural that his first inquiries will be made there, and he may not find it necessary or desirable to go any farther. Mortgagees often restrict their lending activities to specific areas, however; and even when mortgage money is plentiful, the borrower may have to inquire at more than one institution to find one that makes loans in the neighborhood in which he proposes to buy or build.

The amount of the down payment that will have to be made in a given home-financing transaction, the rate of interest on the loan, and the length of time allowed for repayment vary to some extent according to the lending policies of individual mortgagees, the laws of different states, and conditions in the money market at the time the loan is made. The laws and regulations under which the FHA operates establish maximum ratios of loan to value, maximum interest rates, and maximum repayment periods for insured mortgages.

In 1953, the FHA insured over 260,000 home mortgages. Most of these mortgages financed single-family homes. Since about a quarter of all nonfarm dwelling units started during the year were built under FHA programs, the down payments and other features of insured home mortgages have considerable significance in the total picture.

The Typical FHA Mortgage

The typical new-home mortgage insured by the FHA a year ago (latest figures available) amounted to \$8,273, was made for a term of 21.7 years, and provided for a monthly mortgage payment of \$64.16. This payment covered principal, interest, FHA insurance premium, hazard insurance, taxes, special assessments.

The property on which the typical loan was made was appraised by the FHA at \$10,022. This figure included a new single-family house, all other physical improvements, and a lot with a market price of \$1,227. The down payment made by the borrower was about \$2,850.

The family that is dissatisfied with its present home or neighborhood, but finds it impossible to get a mortgage loan on a new home, can do several things to improve its housing situation. It may be possible to repair, improve, or modernize the present home. If the family owns its present home, it may be possible to trade it in on a new home, using the equity in the older home as a down payment. The National Association of Home Builders is actively sponsoring a trade-in house program which contemplates the application of the used-car technique to housing.

Many of the small homes built immediately after the war are still occupied by their original purchasers. Although the family may have outgrown the dwelling, it may be impossible to finance a larger house while making payments on the present dwelling. If the owner's equity is sufficient, however, to provide a down payment on a new house, and if he can make a satisfactory trade-in arrangement with a builder who sees possibilities in repairing and improving the older house, the result is that the original owner is adequately housed, another family is settled in the remodeled house, and the value of the used house and of its neighborhood is increased.

The Federal Housing Administration is testing out in several cities the possible effective use of the insured-mortgage plan in this trade-in program.

A revolution in home financing methods has taken place in the 19 years since the Federal Housing Administration was established. The operations of the FHA have demonstrated the practicability of the high-percentage, long-term mortgage loan repaid in periodic installments, and this type of loan is in common use today whether or not the mortgage is insured. Many uninsured loans also follow FHA practice by having the mortgage payment

(continued on page 249)

Your heating comfort guaranteed with Blend-Air!

Add summer cooling whenever you're ready



NO DOUBT ABOUT COMFORT

A \$1,000 Coleman Comfort Bond, issued in your name, guarantees that your Blend-Air installation will keep every room warm as fast. Magic Blenders installed in the walls of each room keep temperature uniform from floor to ceiling. (See the diagram below.)



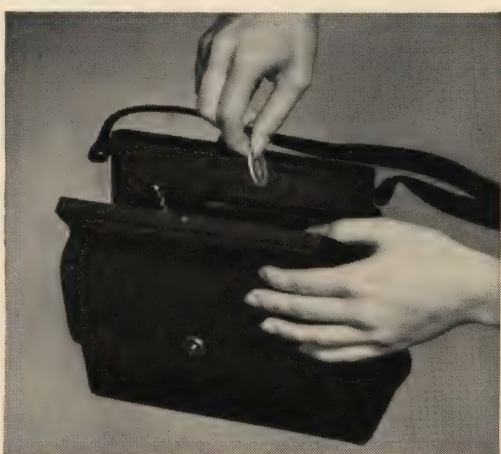
HERE COMES THE COOLING! It's easy to add Coleman's cooling unit *whenever you're ready*. Cost? Only a few dollars a month. Same system, same tubes are used to deliver fresh cool air. You're twice as comfortable because the unit takes *twice* as much moisture from sticky summer air as most other systems.



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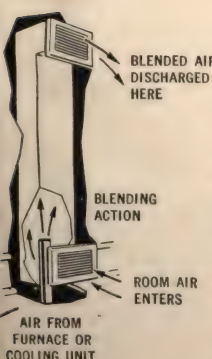
NOT A HOME YOU CAN'T HEAT? No such thing. Even old homes with narrow stud spaces accommodate Blend-Air's versatile new 3 1/2-inch air tubes. They deliver the supply of warm air, or cool air, to Blenders in each room. Pre-engineered and prefabricated to install in a new or old home simply, quickly.



SAVINGS ADD UP with Coleman fuel-burning efficiency. It gets every last bit of heat from winter fuel. In summer a special Water Miser saves 97% of water costs over old systems—and 25% of electricity. Space is saved with the compact furnace and cooling units you can install anywhere, out of sight.



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how
much
for

INSURANCE?

By DAVID B. PECK III, VICE PRESIDENT, LAMB, LITTLE & COMPANY, CHICAGO

The decision as to how much one should spend on insurance depends greatly on the individual family's budget. It is not realistic, therefore, to try to give an all-inclusive answer to the question "how much to spend for insurance." However, it will be helpful if I can point out the types of insurance coverage most frequently considered necessary to the average homeowner. The following list gives you examples of costs for each type of policy. The figures in this list are based on average insurance rates for a typical metropolitan community. For specific rates in individual cases, check with your local insurance company or agent.

TYPES OF INSURANCE

| | |
|--|---|
| Fire insurance on dwellings | Cost approximately \$1 per \$1,000 of coverage annually, depending on construction of building (i.e. brick, frame, etc.). |
| Extended coverage for building or contents | Cost approximately 90c per year on each \$1,000 of coverage, depending on construction of building (i.e. brick, frame, etc.). |
| Personal liability | Cost approximately \$12.50 per year for coverage of \$20,000. |
| Residence & outside theft | Cost approximately \$28 for first \$1,000 coverage. Rates are reduced for additional coverage. |
| Fire insurance on household furnishings and contents | Cost approximately \$1.60 per \$1,000 coverage each year, depending on construction of building. |
| Personal property floater | Cost approximately \$60.00 per year for full coverage of \$5,000. |



FIRE INSURANCE ON YOUR HOME

In determining the amount of fire insurance for your home, it is always advisable to have an appraisal made. In many cases this can be supplied free of charge by the fire insurance company with whom you deal. Appraisals can also be obtained from independent firms for a fee. After the appraisal figures have been furnished, you can determine the amount of insurance required to give adequate protection.

Depreciation is an item to be considered when insurance policies are written. A house wears out like anything else in the material world. Every year that you live in a house you use up a certain part of its value. Theoretically, after a certain time the house has outlived its usefulness and is ready to be sold for junk, like a piece of worn-out machinery. Actually, however, a responsible owner has a constant maintenance program that in part counteracts the depreciation. For a number of years, rising market values have largely counteracted depreciation also, so that many houses are actually worth more at present than when they were built years ago.

On a steady, unchanging market over the years, your house can be expected to gradually depreciate to a certain minimum in perhaps a 15 or 20-year period, after which the insurable value

Here's where you'll
find your nearest
Mr. Friendly:

| | |
|---|---|
| Albany 7, N. Y. 100 State Street Albany 3-4237 | Memphis 3, Tenn. 67 Madison Ave. Memphis 8-7361 |
| Atlanta 5, Ga. 800 Peachtree St., N.E. Emerson 1635 | Miami 32, Fla. 117 N. E. First Ave. Miami 3-5443 |
| Baltimore 2, Md. 19 Commerce St. Mulberry 5-6900 | Milwaukee 16, Wis. 4231 W. Fond du Lac Hilltop 4-9790 |
| Binghamton, N. Y. 19 Chenango St. Binghamton 2-1265 | Minneapolis 3, Minn. 12 North Eighth St. Lincoln 8631 |
| Birmingham 3, Ala. 2028 Second Ave. N. Birmingham 4-1673 | Mobile 8, Ala. 56 St. Joseph St. Mobile 3-1541 |
| Boston 17, Mass. 142 Berkeley St. Copley 7-6400 | Nashville 4, Tenn. 1512 Eighth Ave., So. Nashville 42-6361 |
| Bridgeport 3, Conn. 177 State St. Bridgeport 3-6138 | Newark 2, N. J. 1180 Raymond Blvd. Market 2-5127 |
| Brooklyn 1, N. Y. 130 Clinton St. ULster 2-9000 | New Bedford, Mass. 227 Union St. New Bedford 4-9651 |
| Buffalo 3, N. Y. 403 Main St. Washington 5381 | New Orleans 15, La. 909 So. Jefferson Davis Parkway AUDubon 6606 |
| Burlington, Vt. 215 College St. Burlington 3-3182 | New York 16, N. Y. 386 Fourth Avenue MURray Hill 3-0900 |
| Charlotte 4, N. C. 1433 Elizabeth Ave. Charlotte 3-4153 | Norfolk 10, Va. 203 Granby St. Norfolk 53609 |
| Chattanooga 2, Tenn. 832 Georgia Ave. Chattanooga 6-3115 | Omaha 2, Nebr. 1319 Farnam St. WEBster 7977 |
| Chicago 54, Ill. 1154 Merchandise Mt. Whitehall 4-0880 | Orlando, Fla. 367 N. Orange Ave. Orlando 3-3447 |
| Cincinnati 2, Ohio 441 Vine St. Main 1494 | Paterson 1, N. J. 175 Market St. Lambert 3-3400 |
| Cleveland 14, Ohio 720 Euclid Ave. Main 1-4884 | Philadelphia 30, Pa. 2240 Spring Garden St. LOCust 4-3335 |
| Columbia 1, S. C. 1136 Bull St. Columbia 7684 | Pittsburgh 22, Pa. 212 Wood St. ATLantic 1-0266 |
| Des Moines 9, Iowa 916 Grand Ave. Des Moines 4-4121 | Portland 3, Maine 176 Middle St. Portland 3-1739 |
| Detroit 1, Mich. 2210 Park Ave. WOODward 1-1090 | Poughkeepsie, N. Y. 12 New Market St. Poughkeepsie 3824 |
| Easton, Pa. 15 S. Third St. Easton 9175 | Providence 3, R. I. 76 Westminster St. GASpee 1-0543 |
| Green Bay, Wis. 218 N. Monroe Ave. HOWard 5860 | Raleigh, N. C. 5 W. Hargett St. Raleigh 3-4643 |
| Greensboro, N. C. 301 S. Elm St. Greensboro 2-1112 | Reading 13, Pa. 230 N. Fifth St. Reading 5-6278 |
| Greenville, S. C. 114 N. Brown St. Greenville 3-4506 | Richmond 19, Va. 909 E. Main St. Richmond 2-9085 |
| Hartford 4, Conn. 50 Lewis St. CHapel 6-1681 | Roanoke 11, Va. 200 S. Jefferson St. Roanoke 4-4293 |
| Indianapolis 4, Ind. 815 N. Pennsylvania St. Lincoln 6487 | Rochester 4, N. Y. 42 East Ave. HAMilton 0250 |
| Jackson 5, Miss. 145 E. Amite St. Jacksonville 98-9731 | Rockford, Ill. 305 S. Main St. Rockford 4-3353 |
| Jackson Heights, N. Y. 74-09 37th Ave. HICKory 6-3970 | St. Louis 2, Mo. 111 N. Fourth St. MAIn 4214 |
| Jacksonville 7, Fla. 1420 San Marco Blvd. Jacksonville 98-9731 | San Francisco 5, Calif. 515 Market St. EXBrock 2-8787 |
| Jersey City 6, N. J. 26 Journal Square JOURnal Sq. 2-3900 | Savannah, Ga. 2 W. Broughton St. Savannah 4-1467 |
| Kalamazoo, Mich. 338 W. Michigan Ave. Kalamazoo 3-2608 | Shreveport 4, La. 610 Marshall St. Shreveport 3-0647 |
| Kansas City 11, Mo. 4552 Main St. JEFFerson 2338 | South Bend 1, Ind. 104 S. Main St. South Bend 3-1154 |
| Knoxville 17, Tenn. 409 West Fifth Ave. Knoxville 3-9187 | Springfield 3, Mass. 95 State St. Springfield 2-1149 |
| Lafayette, La. 202 W. Vermillion St. Lafayette 8-2454 | Syracuse 4, N. Y. 419 W. Onondaga St. Syracuse 75-4187 |
| Lawrence, Mass. 477 Essex St. Lawrence 4223 | Utica, N. Y. 329 Genesee St. Utica 2-5116 |
| Little Rock, Ark. Capitol Ave. & Louisiana St. Little Rock 27-9675 | Washington 6, D. C. 704 17th St., N. W. METropolitan 8-0139 |
| Los Angeles 14, Calif. 416 W. Eighth St. TRinity 5838 | Waterbury 20, Conn. 36 North Main Street Waterbury 3-5157 |
| Louisville 2, Ky. 305 W. Broadway WABash 2156 | White Plains, N. Y. 277 Martine Ave. White Plains 6-7400 |
| Madison 4, Wis. 2805 E. Washington Ave. Madison 4-2472 | Wilmington 1, Del. 1305 Washington St. Wilmington 8-4337 |
| Manchester, N. H. 1245 Elm St. Manchester 3-7284 | Worcester 8, Mass. 332 Main St. Worcester 3-1467 |



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Furnace is

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HOW MUCH FOR

will remain reasonably constant if maintenance is not neglected.

Insurance companies in some states now are writing a type of residential coverage that insures for the replacement value of the house.

Another coverage which is finding popularity is additional living-cost insurance. This policy can be added to your standard fire insurance and allows you to recover partial cost of living expense if you are forced to move to temporary quarters.

EXTENDED-COVERAGE INSURANCE



Approximately all fire insurance policies insuring building and contents carry the extended coverage endorsement. This coverage includes the perils of windstorm, hail, explosions, riots, civil commotion, aircraft vehicle damage and smoke damage.

INSURANCE ON CONTENTS OF HOUSE

Your personal property can be insured in two ways. The broadest form of coverage is the personal-property floater. It is the most expensive but also the most comprehensive and is designed for people with a large inventory of personal goods. The other method of insuring personal property is by use of a combination of two policies, separate fire and theft insurance on contents. This method does an adequate job with less cost.

PERSONAL-PROPERTY FLOATER

The personal-property floater is generally regarded as an "all-risk policy." It covers specifically such things as loss or damage to household goods and all personal property caused by fire, theft, mysterious disappearance, explosion, storm, water, etc. This type of policy is designed to cover the person or family who has at least \$5,000 of personal property. Specified coverage for jewelry and furs may be added to this policy, although there is automatic coverage up to \$250 for these items. Money losses are covered up to \$100. As an example of this coverage, let us assume you had a flood in your basement which damaged your property. This loss would be covered under the floater policy, but not under theft insurance or by the fire policy covering your contents.

SURANCE?

DENCE AND OUTSIDE THEFT INSURANCE

Insurance and outside theft insurance protects the insured from loss of personal property, both on his premises and away from his premises due, for example, to burglary, hold-up, disappearance.

INSURANCE ON CONTENTS

Insurance on contents covers loss of all household contents and personal property. It is not mandatory that you list contents on this policy, however; in case of loss you can only collect depreciated replacement value. An inventory of your personal property and household contents is most helpful in justifying any claims and receiving maximum replacement value.

PERSONAL LIABILITY INSURANCE



Personal liability insurance protects the homeowner and all members of his family residing with him from legal liability claims brought on by his negligence or alleged negligence on or away from the premises. It also pays for medical expenses of any member of the public injured on his premises, whether he is negligent or not. With regard to the amount of coverage that should be bought, one should first look into the financial responsibility law of the state in which he resides. In many states, \$10,000 can be collected in case of death and, consequently, this should be the minimum of liability protection one should purchase. As an example, let us assume that your postman fell on the ice in your front yard and broke his arm. The medical expenses would be paid by the insurance company; the company would also defend you in case of a lawsuit.

THE AVERAGE INSURANCE BUYER should be alert to the necessity of a broad look at his insurance problem and should consider all of the aforementioned policies. "Package" insurance plans in which you have the advantage of a coordinated over-all program, based on your budget, are finding increasing use today. Also, there is a decided savings in setting up your insurance policies on more than a 1-year basis when possible. For example, if you buy a 3-year fire insurance coverage you can save half a year's premium; over a 5-year period you can save a full year's premium. Capable counselors are available who will analyze your family's insurance problems and point out these important savings.



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Copper has always been first choice for water pipes and fine cooking utensils. It gives extra years of better service. It's pure—cannot rust ever. And, it is highly resistant to corrosion.

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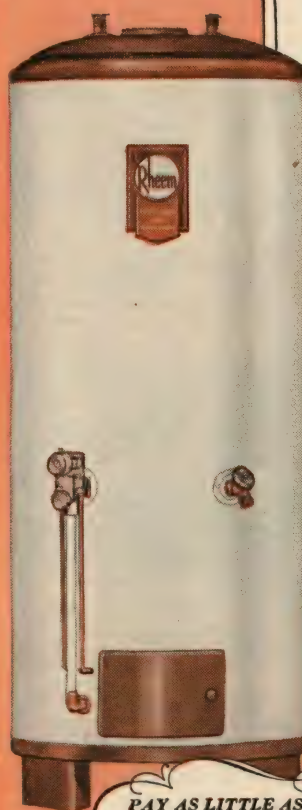
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Gas Range in illustration is Rheem Wedgewood, Model A-8368 F.



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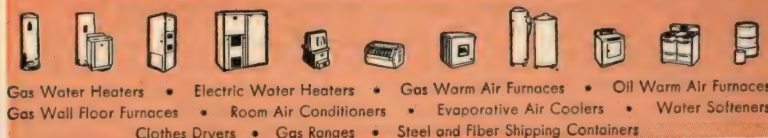
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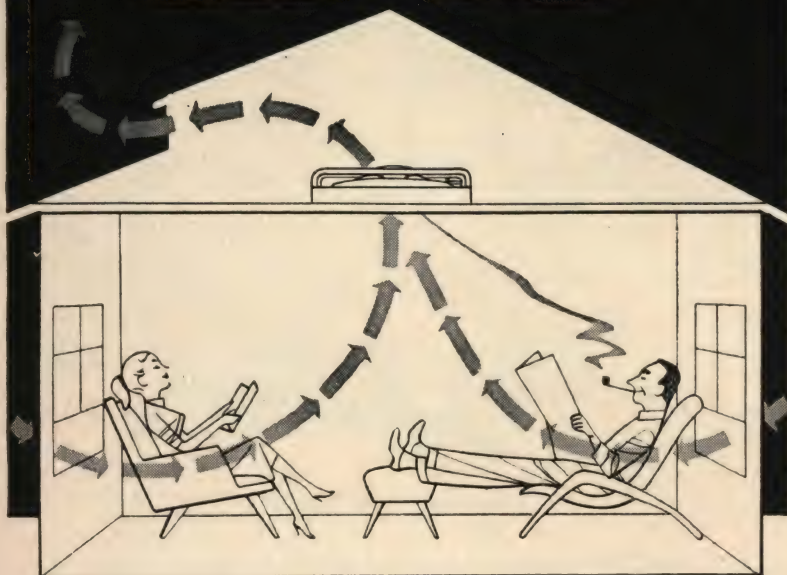
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LEGAL ASPECTS OF HOME OWNERSHIP

When you buy an ordinary article like a coat, radio or watch, you do not need to know whether the seller is married, single or divorced. You may buy a share of stock or a bond without caring whether the former owner has paid his taxes, or whether there is a suit or judgment against him.

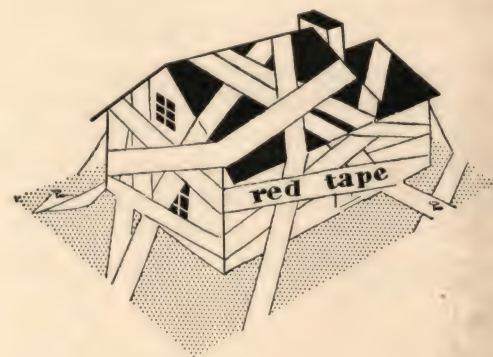
But when you buy a home or a vacant piece of land, all these things are vital to know—and many other things, too—and you must have a complete investigation made on every point, or you may discover that the property you bought and paid for is not actually yours at all.

The laws governing real-estate transactions are almost unbelievably complex. To the layman they represent a baffling maze through which he must travel in order to acquire property and become a homeowner.

He requires a guide—a competent lawyer, one skilled in the realty laws of his particular state, and who knows the local community "ground rules" as well.

Each state has its own body of laws, its own legislature to modify them and its own courts to interpret them; so what is law in California may not be law in Maine. However, certain broad facts of real-estate law hold throughout the country. A few of them are presented in the answers to questions below. We present them here, not to make lawyers of our readers, but in order that our readers may know something of the nature and scope of the problems about which they should consult the lawyers.

*Why must real estate
laws be so
complicated?*



Real estate—essentially land and everything affixed to land—has always been considered the most valuable possession a man can have. It is so basic a form of wealth—and the source of virtually all wealth—that many special laws have been enacted for the protection of all who may have rights in it. These laws define and protect the rights of the owners, their families and heirs. But they also define and protect the rights of mortgage holders, leaseholders, lien holders; the public; holders of mineral, oil or air rights; and many others who may have an actual or potential claim or right. The laws governing all such rights and claims are numerous, strict and far-reaching.

**A knowledge of property law
can save you money and worry**

*Doesn't a deed
give clear title to
property?*

No. A deed is merely a paper in which the seller transfers his right of ownership, whatever it may be, to the buyer. It is no proof that the seller actually is the owner. It does not do away with claims or rights others may have in the property.

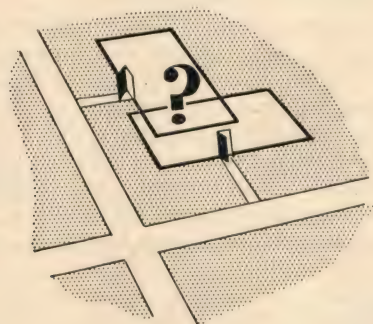
*Aren't such claims and
rights on public record?*

Generally, yes. Searching the records may reveal obstacles which stand in the way of a clear title. Once they are known, it is up to the owner and his attorney to clear them away if it can be done. Otherwise, they must be accepted as limitations on the right of ownership. But the records may not show everything that might affect the title. Many claims do not have to be on record to be valid. Also, statements in the record may be incorrect, or may fail to tell important facts. Documents on record might be fraudulently or improperly executed. And, aside from risks like these, ordinary clerical mistakes can and do happen.

*Is there any protection
against such risks?*

Protection is possible through a title guarantee policy, which insures the buyer against loss, should the title as guaranteed ever be found defective. Customarily, the seller furnishes such a title guarantee policy, in the amount of the sale price, showing the condition of title at the time of sale. The buyer pays for extending the title search to the date on which the deed is recorded.

*I plan to buy a corner lot.
If I do, can I build my house
to face either street?*



Generally speaking, you can. However, you may be prohibited by (1) a deed, plat or other instrument binding upon you; or (2) your local building and zoning laws. If you plan to build facing a side street, get a lawyer's opinion before you proceed with the construction.

(continued on page 98)



Reduce meal preparation time. Flush scraps down the drain.

DISCOVER GARBAGE FREEDOM...

All New **WASTE KING** *Pulverator*®



Save steps. Eliminate the garbage pail. WASTE KING flushes garbage away to septic tank or sewer. *Quiet!*

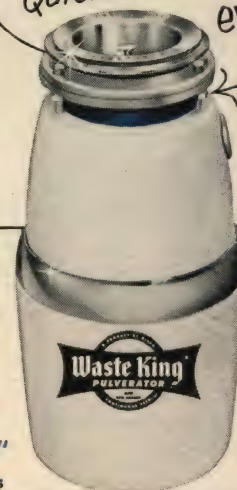


Save time. Rinse dishes — garbage gone. 2 new WASTE KING models fit existing sinks. Continuous feed.



Dependable. WASTE KING's exclusive Lifetime Grind Control prevents clogging and protects lines!

New **BLUE**
Super "Hush-Cushions!"
Quietest operation
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FOR COMFORTABLE COUNTRY LIVING, plenty of water and plenty of pressure are as important as your electric supply. Your washing machine, your dishwasher, your bathroom — they use more water than you realize. For the capacity to run them all at the same time, make the "heart" of your home a dependable, precision-engineered Myers water system.



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The "Heart" of your home



The F. E. Myers & Bro. Co.
Dept. SH-4, Ashland, Ohio

Enclosed find 10c for "Water Witch" to figure my home water needs.

NAME _____
ADDRESS _____
TOWN _____ STATE _____

My neighbor's hedge is on my property. If I let it stay there, could he claim ownership?



Yes, unless it is clearly understood that the hedge is there by your permission. If you take no action, it may become impossible for you to recover the land occupied by the hedge. If you wish to let the hedge remain, have a lawyer prepare a written document granting your permission, to be signed by you and your neighbor and then recorded.

The man from whom I'm buying a lot is very sick. What if he should die before the deal goes through?

There is a way you can make more certain it will go through — put the deal in escrow at your local financial institution. Escrow guards against later complications or changes of mind that might upset the deal, after its terms have been agreed on. For more details about how escrow works, check with your lawyer or local lending institution.

Why must a wife's signature be on a deed?

Because the wife holds a legal interest in property, even

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ough it is in the husband's name. Therefore, when the husband signs a deed transferring real estate to someone else, the wife must sign as well—to release her interest.

There is a walk going across my vacant lot. Is there any danger that the walk might be called a public thoroughfare?

Under certain circumstances that is entirely possible. If people use a walk regularly for a number of years, it may be ruled that the public has acquired a right to use it. Much depends upon the facts in a particular case. You would be wise to consult a lawyer if this is your situation.

Understand the "building line" applies only to the main part of the house. Can I build a porch beyond it?

There is no general rule on this point. Building lines are usually fixed by plat, deed or agreement. Some of these specifically state that porches may extend beyond the line . . . others expressly forbid it. A lawyer can give you the answer, once he examines the documents that set your building line.

Can I smart to share a common driveway with my neighbor?

Many neighbors have done it for years without trouble. As
(continued on page 269)



Living in the Wild West?

Many parents with small, energetic youngsters feel as if they're living in the midst of a "western" television production. It's a common problem caused by lack of space. But, there's a simple, economical answer—ATTIC CONVERSION.

Attic conversion gives your "cowboys" a place to play, gives you extra living or storage space for only pennies compared with new construction. And, you can do it yourself with an EZ-Way Folding Stairway or Ladder.

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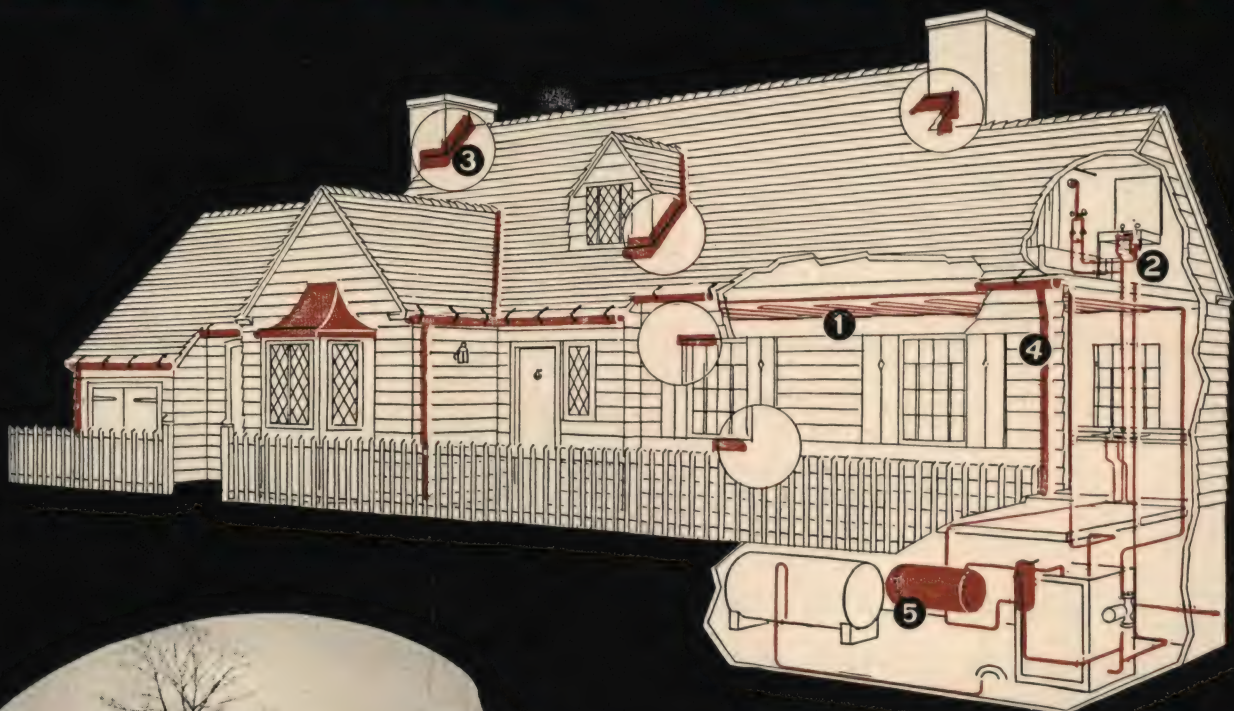
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So whether you plan to buy, build or remodel it will pay you to look into Revere Building Products from every angle. They make your home better to live in, better to own, rent or sell. They are handled by leading distributors throughout the country. See your architect for plans, your building contractor for economical construction and your roofing, and plumbing and heating contractors for satisfactory trouble-free installation. It will pay you in the

long run and result in a more satisfactory and economical job all around.

For more detailed information regarding the many uses of copper and copper-base alloys in your home, send for free 24-page illustrated booklet, "Your Dream Home."

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SHG Architect Elmer Gylleck here talks over the construction problems of a new home with a typical couple planning to build. Results of the meeting are the questions and answers presented in the article on this and following pages.

CONSTRUCTION SECTION



Here one of our architects answers a typical set of questions on building. The answers will help you in—

GETTING YOUR MONEY'S WORTH

It is wise for the family about to contract for the building of a new home to know basically how that house is going to be built. To most homeowners, the structure of the house is a deep mystery; but to know nothing of how your foundation, walls and roof go together can mean the difference between getting and not getting your money's worth in your home.

Asking questions can gain for you a valuable education in home building, so don't hesitate to go over thoroughly the blueprints for your new home and to ask your contractor or architect, or both, for a brief explanation of every item that you don't understand. Then go out on the building job whenever you have a chance, to compare your interpretation of the drawings with what you actually see being built.

Perhaps we can introduce you to your architect and builder in these pages by posing some of the questions you might most logically ask them before the ground is broken on your building project. We will start before the ground breaking, take you up to the roof top.

HOW DOES THE MAN WITH THE EXCAVATING MACHINE KNOW WHERE TO DIG THE HOLE FOR THE FOUNDATION?

The plot plan drawings call for the house to be located in a certain place on the lot. It is important that the house actually be built where the owner expects it to be, and at a distance from lot lines to comply with the local building code. To accomplish this the contractor must accurately measure the distance from the lot

lines, then set up "batter boards" from which to string chalk lines laying out the actual outlines of the house. Batter boards are horizontal boards usually nailed to stakes set in the ground

Lines strung between batter boards as shown here are used to accurately mark the outlines of the house. Batter boards must be set back far enough to be safe from the excavating operation.



far enough away from the excavation so that they will not be disturbed by the digging. They are set up at opposite ends of each wall, and the chalk lines are strung between them. Corners are made square by measuring diagonally across them (if the diagonal distances in both directions across a rectangle are equal, the corners are automatically square.)

HOW DO I KNOW WHETHER THE EXCAVATOR IS DOING HIS JOB PROPERLY?

A conscientious excavator, when digging a basement, will first

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Finish them in your own favorite color scheme, be it "honey," blonde or darker shades for exactly the effect *you* want. The wood's matchless, satin-like soft texture and graceful figure are beautifully brought out by transparent finishes and lustrous wax. And if you'd rather have painted walls in certain rooms, you can be sure that delicate pastel shades *stay* lovely on Arkansas Soft Pine because there's no pitch to ooze and discolor them. Nor will the grain raise.

Conveniently available at your lumber dealer's in many patterns, easy to put on right over your present walls, Arkansas Soft Pine paneling fits in perfectly with your remodeling plans and budget. For exactly how, send for this helpful book, "Beautiful Woodwork." It brings you illustrated paneled rooms, panel patterns, hints on finishing—all prepared especially for you and it's yours for the asking. Write now!

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remove the topsoil and place it in a pile separate from the subsoil. This conserves the topsoil for later use when the finish grading is done and the lawn planted. The excavation should have clean, straight edges, and should not extend far beyond the outer wall limits; a sloppy excavating job creates a problem for the concrete crew, often making necessary erection of elaborate platforms for bringing the concrete trucks close enough to pour wet concrete into the wall forms.

The excavator should check the level of his "floor" when he nears the bottom of the excavation, using a surveyor's level. The hole should be no deeper than specified on the blueprints, and it should be at the same level at all points. If the hole is too shallow, there either will be insufficient headroom in the basement, or the first-floor level will be too far above grade. If too deep, basement wall heights may have to be greater than anticipated. An off-level excavation will require laborious hand filling or digging later to obtain level foundation footings.

If your house is to have only a partial basement, or a concrete-slab floor and no basement, it is recommended that the shallower foundation excavations be made with a trenching machine. Here it is important that corners be square and again that the bottom of the excavation be level. If your house is being built in an area of heavy soil, the trench itself may serve satisfactorily as a foundation form for pouring concrete.

WHAT IS A FOOTING, AND WHY DO I NEED IT?

The footing literally serves as a "foot" for the foundation wall, preventing it from sinking into the ground. The footing is a wide base (its width and thickness depending upon the type of supporting subsoil) that spreads the weight of the entire house structure over as great an area as possible. Footings are always of poured concrete.

HOW CAN I BE ASSURED OF A LEAKPROOF FOUNDATION?

After the concrete has set and the forms have been removed, the entire outer wall of the foundation should be coated with a bituminous compound. In the past, heated tar or asphalt has been mopped on by hand; quicker and more penetrating is the spraying on of liquefied asphalt, brought to the job in a tank truck and sprayed over the entire foundation in a few minutes' time.

If your foundation wall is of concrete block, there should be an outer plaster coating of portland-cement plaster troweled on the wall. This coating should be about an inch thick, and it is advisable to further cover this with a bituminous coating after the cement plaster has dried.

If you are in a location where the ground water is liable to build up pressure around the foundation walls, it is wise to provide drainage around the footings. Ordinary terra-cotta field tile can be laid around the perimeter of the foundation, drained off to a lower point a distance away. Perforated fiber pipe is also excellent for this purpose, can be installed more quickly.

IS THERE DANGER OF A CONCRETE FLOOR BREAKING UP, AS MANY CONCRETE SIDEWALKS APPEAR TO DO?

Since a concrete floor is not subjected to the same weathering effects as a sidewalk, a properly laid floor should remain virtually crack-free. Drainage is one of the most important factors. If a

basement wall is waterproofed, as previously explained, and water is prevented from getting under the floor, there should be present none of the stresses that ordinarily cause breakup of concrete slabs. A concrete floor, whether in a basement or at grade level, should never be poured directly over the earth, should always have a base of 4 to 6 inches of crushed or washed gravel as further insurance against direct contact of moisture with the slab.

In areas where there is considerable ground moisture, it is recommended that in addition to foundation drainage, a waterproof membrane be placed over the gravel base. Several layers of asphalt felt, mopped with liquid asphalt and sealed at the foundation wall, will further reduce the possibility of leakage through the floor.

CAN A CONCRETE FLOOR BE INSULATED?

A slab floor can be made more comfortable by using an insulating material as one of the ingredients of the concrete. Most important, however, is edge insulation, for here is where the greatest percentage of heat loss occurs on cold days. Special decay-proof rigid insulation material is available for this purpose.



This is the new SCR brick. Walls cost less to build with this easily handled masonry unit, can be formed without a backup layer.

HOW CAN A MASONRY HOUSE BE CONSTRUCTED AT MINIMUM EXPENSE?

Concrete-block construction is the least costly, and masonry paints of many colors are available for exterior finish. Conventional solid-masonry construction consists of an outer layer of brick or stone with a backup layer of thin concrete block. Common brick formerly was used as the backup layer, but the block can be laid up much faster and more cheaply.

A new type of brick, called the SCR brick, a product of research of the Structural Clay Products Institute, has been available since 1952. This is a brick considerably larger in size than the conventional brick. The SCR brick is easy for the mason to handle, is of such width that a single-thickness wall (no backup layer) has been found to be structurally satisfactory for residential construction. Many builders using the SCR brick have found that they can build a masonry house at a cost competitive with frame construction.

ARE THE THICK WALLS OF A MASONRY HOUSE SUFFICIENT INSULATION SO THAT SEPARATE APPLICATION OF INSULATING MATERIALS IS UNNECESSARY?

Concrete block, stone or brick actually have very little insulating value. It is recommended practice with a solid-masonry house to attach furring strips to the interiors of the walls, then to install insulation and vapor barrier between the furring strips. The



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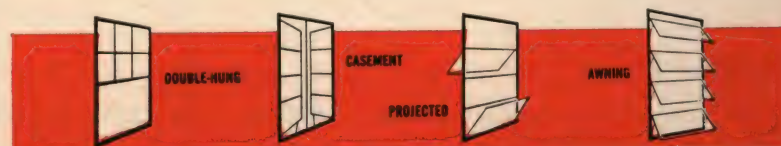
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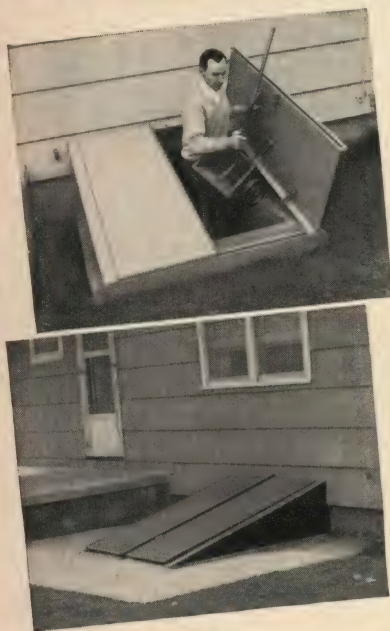
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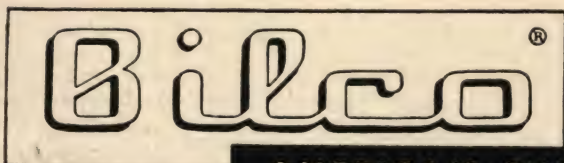
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furring strips also serve as a nailing base for lath, wallboard or paneling.

Techniques have been developed for building what is called a cavity wall, a double masonry wall with a hollow space between the layers. The inner layer is waterproofed as the wall is laid up, and loose-fill insulation is poured into the cavity.

HOW DOES MASONRY VENEER COMPARE IN COSTS?

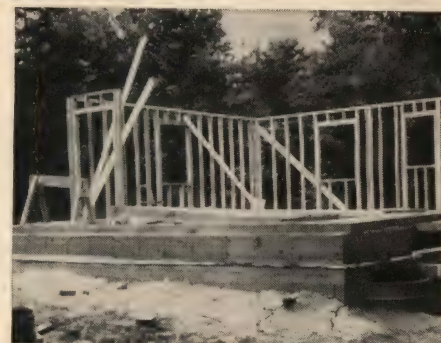
Conventional masonry-veneer construction is relatively expensive compared with frame or solid-masonry construction. The foundation walls have to be wide enough to accommodate the frame foundation sill, plus the outer masonry layer, plus an air space between. The veneer house comes close to being two houses in one—a complete wood structure with a complete masonry shell built around it. It is, however, easier to insulate and to keep comfortable than a solid-masonry house.

There are several simulated finish-masonry products that can be applied directly over a basic frame or masonry structure in much the same manner as stucco. These facings are troweled in place, and the outer surface is molded to appear as stone or brick. There is a wide choice of colors and patterns. This type of wall can be built at considerably less cost than standard masonry veneer.



Floor joists and bridging go down first, then a sub-floor. This furnishes a working platform, speeds up wall construction.

Stud walls built in sections speed up the framing of a house. Walls for the entire structure may go up in a single day.



Insulation-board sheathing cuts man-hours greatly when it comes to covering the outer stud walls of a house. Other panel types include plywood and gypsum board.

WHAT IS THE MOST ECONOMICAL WAY TO BUILD A HOUSE?

In general, solid-frame construction. Use of modern construction techniques can keep costs down. As many structural pieces as
(continued on page 106)



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Garlinghouse Home Plan books are designed to help you find the home you want and to save you money and time in building it. Altogether, there are over 1,200 home designs from which to choose—truly America's largest, oldest and finest home planning service. As described on the right, Garlinghouse Plan Books are large, beautifully illustrated, and show exteriors and floor plans with room dimensions and over-all description. Order several of these beautiful books now—or get the complete set—and find the home you want.

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Fleetlite is the revolutionary new window—the complete year-around unit combining interior and exterior double hung windows and screen in a four channel extruded aluminum frame—warmer in winter, cooler in summer—the greatest advance ever in window engineering.

The lasting lustrous beauty of extruded aluminum, the Koroseal mounted glass, the plastic screen, all sash so easily removed (for cleaning) from inside, contribute to new living standards. Gone is the annual task of removing, storing, cleaning, repainting and installing cumbersome storm windows and screens.

GONE FOREVER:



● When you build — plan for the future, insist on Fleetlite Windows for your own comfort — for the added sales advantage — for protection of resale value. It costs no more to have the best.

WRITE today for
Complete Details.

Fleetlite
AMERICA'S Finest WINDOW
Made by



Welcome Spring by raising both lower sash.



Stop storms completely by closing all sash.



Block rain, adjust air flow by centering the two middle sash.



Remove easily and quickly to wash.

GETTING YOUR MONEY'S WORTH

(continued from page 104)

possible are cut beforehand, using a power saw. The entire floor structure is framed first—the sill plate is bolted to the foundation, and floor joists are nailed in place over the basement or crawl-space area (unless there is a concrete-slab floor, in which case there is no wood floor structure); joist ends are boxed in with a "header" of the same size as the joists; and the entire floor skeleton is covered with board or plywood subflooring.

The subfloor then serves as a work surface on which outer walls and partitions are framed. Complete skeleton walls, with top and bottom horizontal "plates" holding the vertical studding in place, are built in sections, with door and window openings in their proper places. These sections are quickly raised into place, nailed to the floor and tied together at their top corners.

Sheathing is nailed in place over the exterior—board sheathing goes up slowly, and timesaving panel sheathing has come into widespread use. Large-sheet panels of insulation board, gypsum board or plywood can be nailed in place in a fraction of the time required for application of boards 6 or 8 inches in width.

WHEN IS THE SIDING PUT ON?

The siding can be put on at any time. It is usually considered best practice to erect the roof and get the house closed in as soon as possible after the side walls are up, but the exterior siding can be applied while work on the roof is going on. Window and door frames are installed, sheathing is covered with building paper or felt, then the finish siding is applied. (Insulation-board sheathing does not require the paper or felt.)

building beyond city water?

Get low-cost, dependable
running water with a

NEW McDONALD HYDRO-JET PUMP

priced as low as

\$104²⁵

(f.o.b. Dubuque)



McDONALD'S Hydro Jet, Figure 3025, with vertical tank. Piped for deep well service.



Just send a post card to
McDONALD for a complete
descriptive booklet
or contact your friendly
McDONALD Dealer.

Ample and dependable water pressure beyond city mains needn't cost a lot. The McDONALD, Fig. 3025 HYDRO-JET PUMP is designed to provide ample running water at the lowest cost ever.

The Fig. 3025 HYDRO-JET is interchangeable for deep or shallow wells . . . its simple, rugged construction does away with water supply worry. Motor, pump, switch, all in one compact unit. Simplifies installation problems, assures years of trouble-free pump performance.

McDONALD'S 97 years of experience is your assurance of quality, efficiency and dependability. Your McDONALD Pump is thoroughly tested and proven.

Install McDONALD with
confidence and save!

A. Y. McDONALD MFG. CO.

Dubuque, Iowa

PUMPS • BRASS GOODS • OIL EQUIPMENT



FLEET OF AMERICA, INC., 418 Dun Building, Buffalo 2, New York

WHY IS THE PAPER OR FELT REQUIRED AT ALL?

No matter how precisely finish siding is applied, it is not entirely windproof or rainproof. The function of the building paper or felt is to seal the house from drafts, especially around corners and at openings, and to keep water off the sheathing. (Water won't hurt insulation board, and if it is applied correctly the wind won't come through.)



This type of framing for a picture window often makes window walls less expensive than conventional stud walls. Framing is available in package form, ready to set up.

CAN I CHOOSE ANY TYPE OF WINDOWS THAT I LIKE?

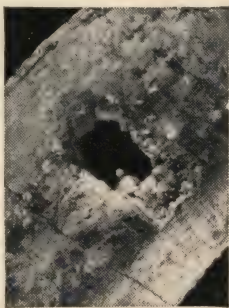
The home plan you have selected may specify a certain type of window design, but most plans can be adapted to several different window types. It is not architecturally wise, however, to ask for a confusing variety of window styles—a combination of double hung, casement and awning windows in a single house, for instance, can result in an unpleasant architectural hodgepodge.

(continued on page 254)



ROOTS AREN'T YOUR ONLY SEWER PROBLEM!

An elephant down the drain? Ask any mother. It CAN happen. And if it does, and your house sewer clogs, what then? The whole sanitary service goes out of business. If your plumber has to use a cleaning rod, will the pipe material stand the rodding? Look at the picture in the center. That's an actual photograph of the hole found in non-metallic sewer pipe that failed. Fortunately there is ONE material that resists roots AND withstands rodding in the pipe fittings and in the durable, lead-caulked joints. That's why we say, *always*



USE PERMANENT CAST IRON SOIL PIPE AND FITTINGS

REMEMBER that ONLY Cast Iron Soil Pipe has joints that are packed with oakum and caulked with molten lead. These joints are root-proof, leak-proof and flexible enough to withstand soil settling without damage.

**CAST IRON
SOIL PIPE INSTITUTE**

1627 K Street, N. W., Washington 6, D. C.



The Mark of Quality
and Permanence

- **DISTINCTIVE**
- **ARTISTIC**
- **CORRECT**

McKINNEY

Forged Iron hardware FOR MODERN RANCH TYPE AND CONTEMPORARY HOMES



Exterior designs courtesy of Home Planners, Inc., Detroit, Michigan. Palmquist & Wright—archts.; Richard B. Pollman—designer. Blueprints available from above source.

McKinney Forged Iron Hardware adds individuality and charm to the popular house designs of today. If you are planning to build a home, or remodel your present one, McKinney's complete line of eight authentic forged iron period designs in dull black, half polished iron or Olde Copper finishes assure an appropriate and harmonious finishing touch.



McKinney Forged Iron Hardware gives a note of smartness and good taste to kitchen, recreation room, living room or den—equally effective on painted wood surfaces or natural wood finishes.

Truly, McKinney Forged Iron Hardware is the "jewelry of the home." See it at your Dealers.

Mail the coupon below and 10 cents for the helpful, illustrated booklet, "How to Select the Right Hardware for Your Home."

McKINNEY

MANUFACTURING COMPANY

1715 Liverpool St., Pittsburgh 33, Pa.



Enclosed is 10 cents. Please send me a copy of "How to Select the Right Hardware for Your Home" and a Furniture Cut-out Card.

Name _____

Address _____

City _____ Zone _____ State _____

a wealth of materials...a wealth of

COLORS

*you can
take your
pick of these
exciting new
surfaces*



A key to the materials pictured

1. plank flooring 2. fiberboard 3. embossed hardboard (leather grain) 4. hardwood paneling 5. plastic-covered hard-



Your job of selecting surface materials for your new home can be a wonderful experience. SMALL HOMES GUIDE editors know, for they saw hundreds of new, colorful materials on display at this year's trade shows—such as the National Association of Home Builders' convention, The International Home Furnishings Market and Retail Lumber Dealers' conventions.

The editors were tremendously impressed with these beautiful materials and decided that you must see them. So the photograph on the opposite page shows representative groups of samples.

Many of these products are advertised on other pages in this edition, and the Helpful Booklets section offers more complete information on them. To assist you further, we are making available to you a list of the sources of the products shown. Write to:



Don Moore, New Products Editor
SMALL HOMES GUIDE
82 West Washington St.
Chicago 2, Ill.

board 6. flexible plastic wall covering
7. textured plywood 8. plastic panels
9. tileboard 10. perlite acoustical plastic
11. plastic panels 12. perforated hardboard
13. corrugated translucent plastic
14. insulating and acoustic tile, variegated shades 15. plastic floor tiling
16. acoustic ceiling tile, variegated holes
17. textured plywood 18. plastic wall tile 19. prefinished wallboard

**For tips on where to use these materials, please turn the page.*



NEW MARLITE PLANK & BLOCK make modernizing easy!



Easy to install
Easy to clean
Easy on your budget

New Marlite prefinished Planks and Blocks are quickly and easily installed with just a few carpenter tools. Simple nailing holds them firmly in place over old walls or furring strips. The exclusive tongue and groove joint which conceals the nails provides an attractive design feature.

The soilproof baked Marlite finish cleans with a damp cloth; stays like new for years. Combine Planks and Blocks for beautiful effects, or use them with the larger Marlite panels . . . you'll have smart new rooms quickly and economically.

Beautiful Marlite Planks and Blocks are available in wood grains and in 10 lovely new "companion colors" styled by famous Raymond Loewy Associates. Planks are 16" wide and 8' long. Blocks are 16" square. Large Marlite panels are 4' wide, 6' and 8' long. See your lumber and building materials dealer for Marlite.



Marlite®

PREFINISHED
WALL and CEILING PANELS

MARLITE PLANK AND BLOCK PAT. APPLIED FOR

MARSH WALL PRODUCTS, INC., Dept. 439, Dover, Ohio
Subsidiary of Masonite Corporation

Please send me a free copy of the full color folder showing how I can use Marlite for new construction or remodeling.

Name _____

Address _____

City _____ State _____

☐ I PLAN TO BUILD ☐ I PLAN TO REMODEL

NEW MATERIALS

and where to use them

The colorful samples of new materials pictured and identified on the preceding pages are merely representative groups of an array of different materials available. They were selected for variety in appearance, in composition and in the type of surface to which they are likely to be applied.

You could, in fact, conceivably cover every exposed surface in your new home with the materials shown—and you could do the job yourself.

The biggest group shown is for walls.

Manufacturers have done marvelous things with fiberboard (2), hardboards (3, 5, 9, 12) and wallboards (19). They are available in many easy-to-handle panel sizes, unfinished or finished in virtually any color. Some are finished with a base on enamel, others have plastic or latex coverings. The diversity of textures and patterns available include realistic reproductions of wood grains, leathers and marble.

One hardboard product that has gained tremendous popularity is the perforated type. It is decorative and, with the special hardware designed for it, highly useful as a base for adjustable shelves and hooks of all kinds.

There are several different types of plastic wall covering in addition to the plastic-covered hardboards. The flexible plastic covering shown (6) is produced in tiles and sheets and in a wide range of colors and textures, including bamboo and natural wood grains. The rigid, all-plastic panels (8 and 11) and (18) come in many brilliant and pastel shades and are excellent for walls, wainscots and countertops, particularly in kitchen, bathroom and laundry.

The narrow strips shown with the selection of plastic wall covering, incidentally, are feature strips and base tiles.

Plastic has found another application in the translucent corrugated sheets, which may be used as actual structural materials—partitions which allow light to filter through, for instance, patio roofs and skylights. You will notice use of this material on the house pictured on our front cover.

The perlite acoustical plastic, applied like plaster, is excellent for use on ceilings and even the walls of rooms where high sound absorption is desired, such as in recreation and music rooms.

Hardwood and plywood paneling have had many new developments, too. The hardwood shown comes in thin prefinished panels of the most beautiful grains available. Some panels are grooved in a random plank effect. Plywood, always an excellent choice as paneling, is even more so with the new textures on the market. Two of the samples shown (7) have a rippling dimensional texture that can be finished very effectively with either one or two colors. Others, like the sample simulating tooled leather, are prefinished.

Changes in Appearance of Acoustical Tile

Two big changes have been made in the appearance of acoustical tile for ceilings. The tiles traditionally have been made with evenly spaced perforations. Samples 14 and 16 show a new approach. Tan acoustic tiles are on the market and tiles in which the perforations are of various sizes and spacings.

Simulated plank flooring, beautifully prefinished, is relatively new in its field, along with wood-block flooring. The floor tile shown is available in a host of plain and marbled colors. It is particularly suitable for bathrooms and kitchens like the other floor tiles—aspalt, rubber, cork and linoleum—easily installed by the homeowner himself.



The most beautiful, most practical of all floors



OAK NEVER FADES NOR WEARS AWAY. Nature gave Oak rich, colorful grain that goes all the way through the wood. In an Oak floor there's no skin-deep beauty to wear away...sunlight, age and temperature changes can never fade its charm. Oak is strong, resists denting by heavy furniture. Its resilience gives restful comfort underfoot. Modern Oak floors are beautiful, economical and durable—the first choice of 8 out of 10 homeowners. Make Oak your choice, too, for lifetime livability. Tell your architect, builder or dealer that you want Oak floors in your new or remodeled home.

NATIONAL OAK FLOORING MANUFACTURERS' ASSOCIATION
Sterick Building, Memphis 3, Tenn.



Oak makes decorating easier

Here's one floor that harmonizes with all fabrics and furniture. Beautiful Oak floors are always in style with all types of architecture, too. They give you complete freedom of choice in decorating your home.



Oak is so simple to care for

You'll love the easy upkeep of Oak floors. Their tough, smooth surface resists dirt and hard wear. An occasional waxing will keep your Oak floors looking lustrously beautiful for the lifetime of your home.



Oak is warm and comfortable

The warm coloring of Oak floors reflects the real warmth their high insulating quality gives to a home. Oak floors prevent expensive loss of heat, afford healthful protection against cold and dampness.

The Queen

Newest addition to the famous line of

Beauty Queen

BATHROOM VANITIES



TWIN BOWL AND CABINET LUXURY

Luxurious, regal beauty... and yet so practical. Convenient twin bowls eliminate those "wash-up" bottle-necks and the *three* cabinet sections give you over five times the usual storage capacity! Behind those lovely lines you'll find neatly compartmented drawers and lift-out trays that eliminate bathroom clutter... a full medicine cabinet with hidden lock to protect curious children... and a handy soiled linen compartment that's a real step saver. Looking for new ideas?

MAIL COUPON NOW!

TOLEDO DESK & FIXTURE CORPORATION
Dept. SH-54, Maumee, Ohio

Please send four-color bathroom planning book. Enclosed is 10c. No stamps please.

Name _____
Address _____
City _____
County _____ State _____

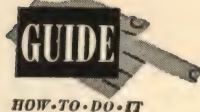


Real bathroom luxury with full four feet of vanity top, two roomy compartments and four convenient drawers.



A complete bathroom unit designed to add two-bathroom convenience in less than a square yard of space.

3 Beauty Queen models in six harmonizing color combinations.



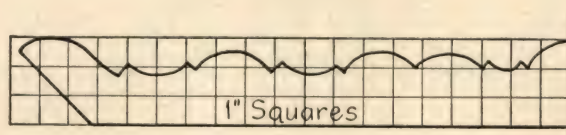
Valentine Window

With a bit of scroll sawing and the construction of a shallow box frame, you can give your new home a whimsical valentine window like the one pictured below. The drawings show you how.

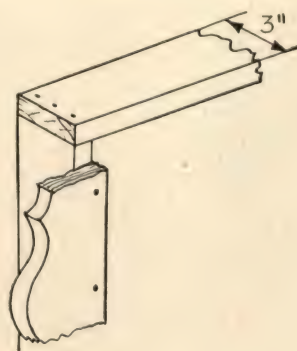
The frame is constructed of 1x3 boards. Border can be either plywood or wood.



The valentine window shown here gives an ordinary cottage a unique touch of charm. In this case, the panes of the window are dressed up with latticework, in addition to the frame.



All stock 1"x3" Material



The drawing at the top gives the pattern for scroll-sawed border. It is nailed to a box of 1x3-inch boards. Bottom board slopes at same angle as window sill so that drainage will not be impaired.



*See your floors
as others see them . . .*

would you ever guess how little it costs to have beautiful

MATICO ASPHALT TILE FLOORING

You can have floors you'll always be proud of . . . no matter who sees them . . . and at sensible prices. Yes, MATICO Tile Flooring looks so smart, so luxurious, your friends will never guess it costs only pennies a tile. For, despite the extra quality of this MATICO plastic-fortified tile, it costs no more than ordinary tile flooring. And durable MATICO lasts for years . . . is easy to keep clean and sparkling . . . comes in 32 rich, clear colors that compliment any decorative scheme. If you're decorating on a budget, install MATICO yourself.

It's so easy you can finish an entire room in just a few hours!

See MATICO at your dealer soon—he's listed in the classified telephone directory!

MATICO Tile for floors you'll be proud of!



MASTIC TILE CORPORATION OF AMERICA

Joliet, Ill. • Long Beach, Calif. • Newburgh, N. Y.

Manufacturer of: ARISTOFLEX • CONFETTI • PARQUETRY • ASPHALT TILE • CORK TILE • PLASTIC WALL TILE

Build yourself a beauty!

with Cedar SHINGLE Roof

TODAY'S top trend in home design is the return to *all-wood* ranch-style exteriors . . . and no wonder, when you can build such beautiful roofs with time honored cedar shingles! For architectural beauty, *natural* insulation to keep your room temperature "as you like it," and for extra years of carefree service, *cedar shingles* are your very best buy. See them at your lumber dealer's store. And, today, mail the coupon below for two colorful home-planning booklets. Your home deserves the best!

and Cedar SHAKE Walls

TO GIVE your exterior walls the right roof-matching quality of genuine wood, you'll want to use beautiful cedar shakes. Notice the wide, truly ranch-style horizontal rows of cedar shake siding . . . the deep shadow lines produced by the sturdy layers of wood . . . the modern "combed" texture. And here's a happy idea . . . cedar shakes are available color-coated at the factory, so you can see your home colorscheme *before* you build. Interested? Mail the coupon below . . . today!



Send for this book today!

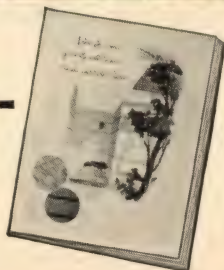
RED CEDAR SHINGLE BUREAU

5510 White Building, Seattle 1, Washington
425 Howe Street, Vancouver, B. C.
Gentlemen: I enclose 10c for booklet, "Ideas for Homes."

Name.....

Address.....

City.....Zone.....State.....



Choosing a Contractor

*he's the man who will translate your
housing dreams into reality*

It isn't true that your choice of a contractor is more important than your choice of a spouse—but that gives you an idea. The building contractor, of course, *is* the man you are depending upon to make your housing dreams come true. You will want to make sure he is skilled at his business, financially able, personally reliable, that he can do the job for the money that you have allocated to it.

As a first possibility, you may not have to go shopping for a builder if you have an architect. Often architects work closely with certain particular builders; often, too, architect and builder are in business together, so if you employ the former you automatically get the latter.

If there is room for choice, exercise it. If architect and builder are bound by less than a blood oath—or if you have no architect to begin with—look over the field and get bids on your job from several likely builders.

You will need the names of several reliable builders to approach for bids. Three to six should be sufficient.

Where do you get names? Most logically from your local lumber dealer or from the local bank or building and loan association—presumably the one that you have already approached for mortgage financing.

Often, banks will not want to recommend specific contractors but will furnish a list of reputable names from which you may make your smaller list.

Inspect Homes They Have Built

When the bids are in, don't automatically take the lowest. You will want to know something of the character of the work performed by all the bidders in the running. The best way to find out is to inspect a home that each has finished; and, if possible, a home that each has under construction.

Even if you are not an expert, you can go over a house while it is being built and note whether the lumber is skimpy or poor grade, and whether there are foundation cracks, poor-quality materials and sloppy workmanship.

No contractor can put as much luxury into a \$20,000 home as his competitor can put into a \$40,000 job, so take this into consideration when making comparisons.

When you are reasonably sure of your man, ask your bank or building and loan institution to check on his financial reliability. This is important. The contractor will have to invest money in materials and payrolls, and should be in a position to do so without holding up the work while he tries to borrow operating cash.

The bank or other financial institution which is granting the mortgage on the property will generally make payments out of the mortgage money to the builder, at specified stages of completion; but he must first get to those stages. Some banks will make the first payment only when the home is "under roof," with walls in place and with the interior protected from the elements.

You will have to rely greatly on the integrity of the builder you select. Unless you yourself are skilled in house construction and can also stand by and inspect as the work is being performed, the honesty and reliability of your contractor are the only guarantees you have that there will not be shoddy construction in the home's hidden parts, nor cheap short cuts that will show up after the house is lived in. So pick your man with care.



Another beautiful home of West Coast Lumber

Imaginative exterior treatment places this smaller home of wood beyond the commonplace. A distinctive, yet practical home can be yours on a low budget when you build with wood.

Only wood offers you such an infinite variety of style and design possibilities...no other building material can possibly match it for warmth and friendliness. Add to these advantages wood's economy, durability and high insulating values and you will readily see why wood continues to be America's favorite home building material.

When you plan to build, be sure to ask your retail lumber dealer about West Coast Woods. These beautiful and versatile woods are Douglas Fir, West Coast Hemlock, Western Red Cedar and Sitka Spruce.



Wood interiors are increasingly popular because of their beauty and individuality. This lovely living room utilizes Western Red Cedar to set off the modern furnishings.

START YOUR NEW HOME NOW

**WEST
COAST
LUMBER**

Douglas Fir
West Coast Hemlock
Western Red Cedar
Sitka Spruce

Lumber of Quality Produced by Members,

WEST COAST LUMBERMEN'S ASSOCIATION



SEND FOR FREE BOOKLET. New booklet, "Individual Homes", is filled with full color photographs of exteriors and interiors of actual homes which show how easy it is to achieve beauty and distinction. A wonderful source of ideas for anyone planning to build now or in the future. Send coupon for your free copy today.

WEST COAST LUMBERMEN'S ASSOCIATION
1410 S. W. Morrison, Room No. 609, Portland 5, Oregon
Please send me your free booklet, "INDIVIDUAL HOMES"

Name _____

Address _____

City _____

Zone _____ State _____

Coupon may be pasted on postcard.



1. Striated plywood gives the corner of this home a distinctly modern texture. Off-white wood trim provides effective contrast against the plywood, which has an olive-drab finish. The plywood is applied to give a clapboard effect with a deep, striking shadow line.

2. California redwood, which is almost impervious to weather damage, is one of today's most attractive materials. Here it is used in a fence to create an unusual pattern—horizontal lines along the bottom and vertical at the top.

3. Redwood is used as the siding on this modern home. It is tongued and grooved for easy application. The grooves at joints of the wide planks create an interesting vertical line pattern. A transparent coating preserves the redwood's natural color indefinitely.

4. This fence illustrates the dramatic results that can be obtained by using various materials in combination. Brick posts, painted white, support the weathered cedar stakes of the fence and the massive overhead wooden trellis work.

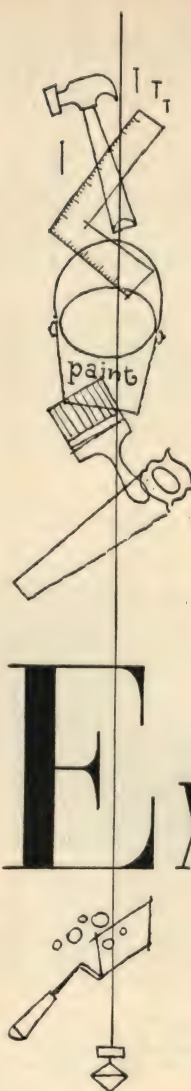
5. Here's a cool and inviting picture created by intelligent use of modern materials and colors. The thin vertical wooden members and blue painted board-and-batten siding form a unified pattern. The natural-finish door provides a contrasting warm touch.

6. Bright yellow siding is eye catching attractive at the corner of this small home. In this case, too, the vertical pattern is emphasized by beveling the edges of the siding to form pronounced grooves at the joints. Brick and white trim are effective.

7. The popular texture of striated plywood is seen again on this home—with effective contrast supplied by the aluminum windows. Another interesting new plywood siding has deep, regularly spaced grooves forming distinct vertical lines.

8. The wide roof overhang sheltering this pleasant patio is supported by 2-inch pipe. The fence windbreak, which contributes to the summertime comfort of the outdoor living area, is of vertical boards with a natural finish.

9. Red brick and white clapboard siding meet at the corner of this attractive house. Vertical siding on the gable end adds to the glamorous effect. The clapboards, in the manner popular today, are wide and are applied to create shadow lines.



modern materials

make it easy to

create attractive

E

xteriors

for all homes

IT TAKES modern materials to do justice to a modern home.

Today's new exterior materials and new methods of application are designed to highlight the good points of modern design. The typical long, low, ground-hugging home of today, for instance, looks best with a pronounced line pattern in its siding. That's why you see such extensive usage of wide clapboard siding with deep shadow lines, board-and-batten sidings and natural panel sidings with an emphasis on vertical lines or striations.

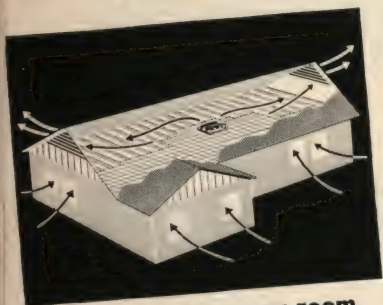
Deft combinations of different materials are in vogue, too. On the opposite page you see exciting blends of red brick and white clapboard siding, painted brick and weathered cedar stakes, wood siding and plywood panel siding with metal windows. Colors are used boldly and with highly effective results—note in particular the attractive yellow siding, the olive-drab plywood with glistening white trim, the cool blue board-and-batten siding accented by a natural-finish door.

Everywhere you see more and more the effects of the urge to retain the warmth and charm of natural wood. Manufacturers have contributed to this trend by making better transparent finishes available—finishes that protect the wood from weather damage for years without coloring it or hiding its beauty.

Hunter Attic Fan cools your entire house

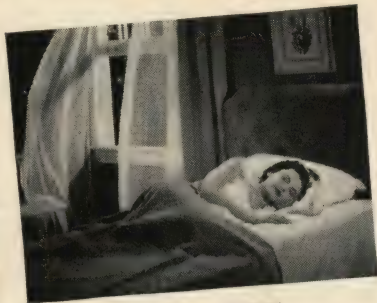
FOR AS LITTLE AS \$139.95*

Easily installed in old or new homes



Cool breezes in every room

This inexpensive home cooling system fills your entire home with refreshing air on hottest summer nights. It pulls in fresh outside breezes . . . drives out hot, sultry air. Room temperatures drop 10 to 20°.



Enjoy life this summer

From the day your Hunter Attic Fan is installed, you'll sleep cool, eat cool, live cool. You'll enjoy having friends over to share your comfort . . . and your nights will be filled with healthful, bracing sleep.



Easily installed in any home

The new Hunter is the simplest of all attic fans to install in any type home . . . old or new. Designed for quiet, trouble-free performance, it will cool your home for many years, and cost only a few cents a day.



Hunter's new automatic shutter

This modern ceiling shutter opens or closes automatically at the flip of a switch . . . or with automatic timer. Finished in neutral shade of baked enamel, it blends with all room colors. Shutter fits narrow hallways.

***Guaranteed Performance:** Hunter Attic Fans are available in four capacities with air deliveries certified. Fan unit is guaranteed 5 years; motor and shutter, 1 year. Prices complete start at \$139.95 for 5000 CFM model, plus installation.



Specialists in cooling and ventilating for 67 years.

**MAIL NOW
FOR FREE
BOOKLET**



Hunter Fan and Ventilating Co.
Box 2858-BN, Memphis 2, Tenn.

Name _____

Address _____

City & State _____

How to Live with

A few defects are bound to appear that

first year—here is how to cope with them

It's a proud day when you finally slip those shiny new keys onto your keyring and take possession of your new home.

If you watched it go up—and particularly if you helped in the building—you have an acute appreciation of the vast number of items and great amount of labor and equipment that went into it.

You know that it is almost impossible to build something as big and complex as a house without some flaws—minor discrepancies, places where the corners don't quite meet, a door sticks or the paint has flaked.

It is normal for plaster to crack a bit as the house goes through its seasoning period. A door that sticks in its frame at first may later shrink to be a perfect fit.

Here is a basic fact about a new house—it must undergo an aging process, like good cheese. It needs time to settle down and shrink a bit.

Among the materials that enter into the construction of a house is water—tons of it go into the concrete and plaster, and much water is present in new lumber, even if it is kiln-dried.

This water evaporates from the concrete, plaster and wood. Normally, it will take months before the biggest part of it is gone. Meanwhile, the interior of the house is apt to be uncomfortably moist, and excessive moisture may condense on the basement walls and on windows.

This is a condition that you must expect, and one that should cure itself in time. Don't—if you move in at the beginning of winter—turn up the heat in an effort to force the drying process. Keep the thermostat around 70 degrees and let evaporation proceed at a fairly even rate. Otherwise, you may get an uneven shrinkage of the house's members, with excessive shrinkage and warping in places.

In the shrinking and settling process, plaster walls may develop hairlines and even cracks. There is no need for haste in patching or repairing. By the end of the second year the walls probably have all the cracks and hairlines that are likely to develop; and you can then patch them up and decorate or redecorate.



The hairline cracks that show up in the plaster are usually the result of normal shrinkage and drying.

But you mustn't delay with work on any exterior flaws. From the first day, you must guard against the entrance of wind-driven rain or snow into the structure of the house. That means an early, close inspection of the exterior siding, roofing and gutters, and remedial work if necessary.

While you are making your home tight against water, check particularly the framing around doors and windows. Fill with putty any small crack, nail hole or other opening that looks like an invitation for rain water to come in.

Your contract with the builder may have specified one priming coat and one paint coat on exterior woodwork. Better get that second coat of paint on before the rains come.

Your New Home

Perhaps the contractor left the gutters unpainted. They will need protection immediately. And you can consider lining them with a waterproofing compound (like roofing tar) on the inside, as an added protection against rust.

Incidentally, your gutters will require at least twice-a-year inspection and cleaning (you can clean them out with a stick). Twigs, leaves and blown seeds have a habit of accumulating in gutters. They can block the channels so effectively that rain water, instead of reaching the downspouts and running off harmlessly, will spill over onto the siding of the house, with consequent unsightly streaking and possibly dangerous leaking.

Should branches brush against the gutters, the trees should be trimmed back.

If you have to get up on the roof for any purpose—like in-

If a new door frame is slightly out of line, don't worry; it takes a while for a house to settle down.



stalling a television aerial—tread carefully, not merely to avoid broken bones but to avoid broken shingles. A single bad shingle can allow water to get into the structure of the house and cause damage.

If the soil that was scooped to one side for your excavation has not been returned to place, you will have an accumulation of water around your foundation after every rain—with some leakage into the home's structure. As soon as possible, have the soil returned to its place around the foundation, the clay subsoil first, graded so that it slopes away from the house, topsoil last, also graded away from the house.

For the first year or two, your topsoil will have a tendency to sink in places, as the earth becomes more compacted and settled. It is a good idea to keep a heap of earth not too distant from the house, to fill in depressions as they show up.

In older homes the walls "breathed"—construction was loose and leaks were plentiful, so that air passed freely in and out of the house. In contrast, modern homes are built tightly; they allow little passage of air, either from the inside out or the outside in. With weatherstripping, double glazing and calking, a house can become virtually a sealed box when the doors and windows are shut.

This is not entirely desirable for many reasons. Hence, ventilating openings and fans are installed in modern homes to furnish controlled ventilation. Openings are left in attics and under-roof areas, and in crawl spaces; they are of a predetermined size and placement to get adequate ventilation. Without them moisture would accumulate, eventually rotting structural members.

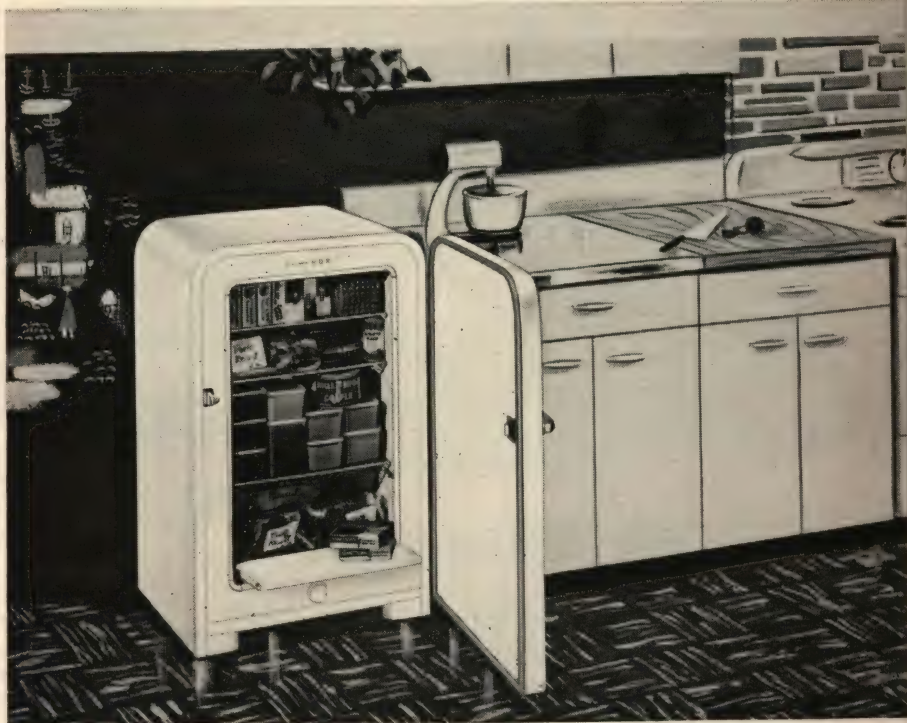
The purpose of the ventilating openings is defeated if they are blocked or obstructed. Keep them clear at all times; don't pile furniture against a gable opening in the attic, for example.

Is the front porch snug against the house? Occasionally, heavy concrete slabs pull away from the house as the earth settles; water gets into the open space, freezes in cold weather, cracks the concrete and pushes it further out of line. If only a small crack is present, it can be sealed with putty; or hemp can be forced in

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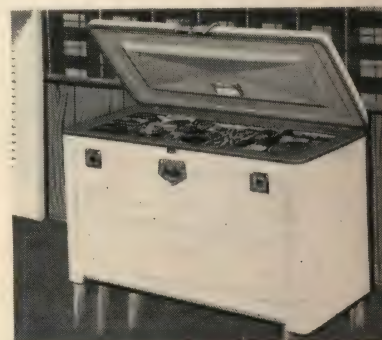
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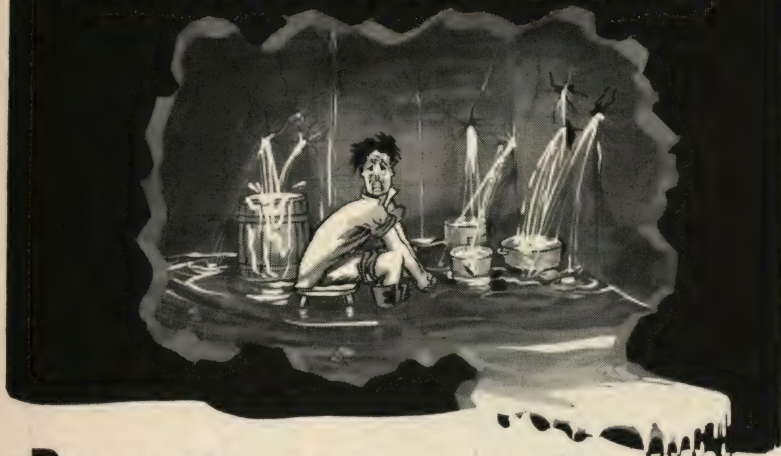
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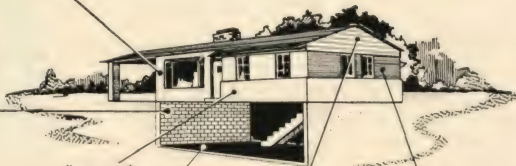


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and tar poured over it. If the gap is large, check with your contractor.

Note the exterior lights. Are they sheltered, at least partially—under the roof overhang? Are the metal parts of nonrusting material? If not, has a protective coating of lacquer been applied?

The same questions can be asked of the door knocker, mail box and other exterior hardware.

Examine the front door. You will find that it is much more substantial than any interior doors. This is not simply for greater safety from burglars. An exterior door takes a variety of weather, and while its inner side may be basking in a 70-degree room temperature the outer side can be facing a below-zero blast. An inferior door would curl up; and even your strongly made specimen may warp a tiny bit.

If the door sticks, don't shave it down immediately. Try waxing or soaping it. If sticking is persistent, it may be necessary to knock the pins out of the hinges, take down the door and plane its side, top or bottom. But when you plane an exterior door, don't let the planed surface go unprotected. Wax or shellac it immediately for minimum waterproofing.

In the living room, check your fireplace. Open the damper and burn a piece of paper in the chimney throat to see if the flame burns cleanly and up the chimney. Always be sure the damper is open before you start a fire, and that it is closed between fires—or else your heating plant will be trying to heat the out-of-doors as the room warmth floats up the chimney.

In the bathroom, look at the tub. Is there a crack between it and the wall? Water can enter the plaster through even a hair-line crack, via hot baths and showers; and water in the wall means deteriorated plaster within a year or so. A flexible calking strip can be purchased at any hardware store, applied with cement that accompanies it, to seal between tub and wall.

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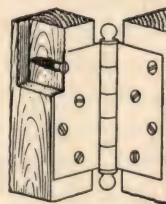
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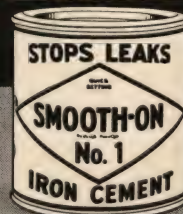
STOPS LEAKS



TIGHTEN LOOSE SCREWS



TIGHTEN LOOSE PARTS



STOPS LEAKS

SMOOTH-ON No. 1
IRON CEMENT

Check the toilet. Does it flush properly? Does the water stop running within a reasonable time? It may be necessary to adjust the height of the float by slightly bending the rod holding it. Sometimes metal pieces of the flushing mechanism rub against each other, preventing shutoff of the flushing action from time to time. Bending these parts away from each other prevents recurrence.

In both bathroom and kitchen, there may be occasional need for a "plumber's helper"—a large rubber cup on the end of a stick. Should lavatory, sink or toilet drain get clogged, this device in most cases will cure the trouble quickly.

Your water heater will need occasional inspection. Normally, some discoloration will accumulate in the tank—rust, scale, mineral deposits. This accumulation should be flushed off a couple of times a year; open the valve at the bottom of the tank and let the water run until it is clear.

If gas is used in the home—for heating, cooking or hot water—be sure that the pilot lights are on at all times—except for a heating plant turned off for the summer.

A final word—about your floors: If they're hardwood, refrain from using water on them. Get a good commercial cleaning compound; and keep them waxed. They will last and be a joy forever.

Asphalt-tile floors should be mopped frequently with warm, mild suds, using a well-wrung-out mop and drying immediately. They may be cleaned twice yearly with warm water and a commercial cleaning compound. Alcohol and gasoline are destructive to asphalt tile.

Whatever your floors may be, don't drag furniture around. This kind of treatment can be particularly destructive to asphalt tile or plastic-tile floors. Put casters, gliders or domes on the legs of your furniture; and lift furniture when moving it.

One final rule: Keep up to date on your homework. Do projects soon as the need arises.

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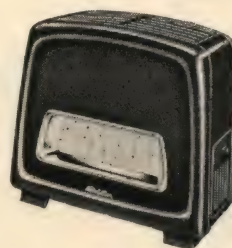
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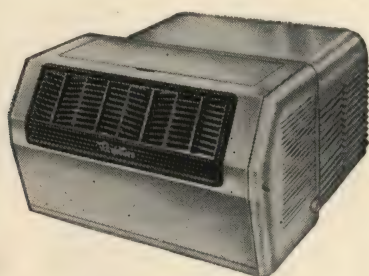
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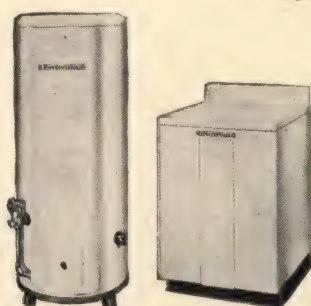
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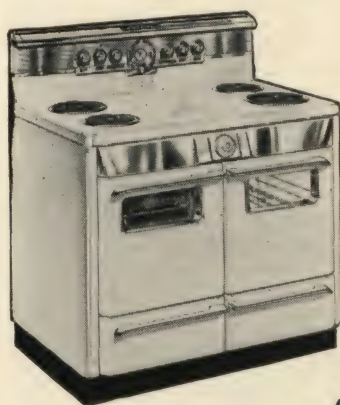


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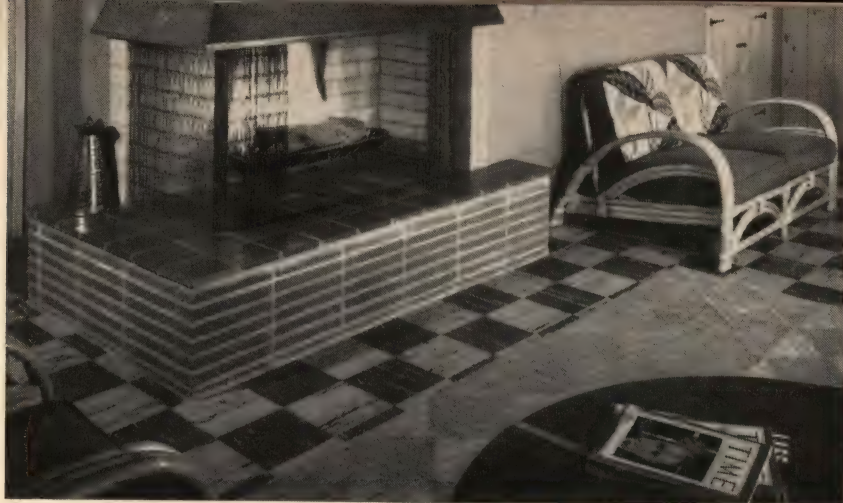
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Perfection

friendliest spot in the house



A corner fireplace with raised hearth built of brick and tile—an excellent design for a family or recreation room. Note the copper hood, flexible mesh fire screen for spark control.

The fireplace has always been a symbol of home. In fact, in some languages, the words for “hearth” and “home” are the same. Perhaps the special appeal of the fireplace lies in the fact that it symbolizes peace, warmth, security—that it represents the essence of home, and is the friendliest spot in the house. Whatever the reasons, today’s home builders—however they may differ on matters of design and construction—are almost unanimous in their insistence on the fireplace.



An age-old symbol designed in a modern manner. This through-fireplace, located in the wall between living and dining room, can be enjoyed from both rooms. Paneled walls enhance the fireplace area.



The traditional fireplace at its best—native stone; raised-hearth design sets the tone for and dominates this easy-going, informal living room. The opening is wide enough for good-sized logs. The wide hearth provides extra seating space.



A massive brick wall, supported at corners, appears to hang suspended over this fireplace open on three sides. The large hearth area in front of the log-and-kindling recess confines litter from kindling operations to the fireplace zone.



The Colonial fireplace wall shown above is built at one end of a kitchen, making the "Dutch Kitchen" so frequently seen in SHG plans. Note the equipment and built-out shelves for keeping food warm—and the swinging crane for an old-fashioned kettle.

This cheerful fireplace with stone built flush floor to ceiling, small mantel built on, furnishes a cozy, friendly corner—setting for a friendly evening gathering or a relaxed evening's reading.



Imposing is the word for this corner fireplace with its massive copper canopy. Fireplace is built around a heat-circulating unit (note cold-air grilles at sides, warm-air grille at top). This is a focal point for a family recreation room.

This good-looking fireplace open on three sides gives the impression of hugeness. This one not only has a three-way view, but also boasts a three-sided mantel. Upper chimney structure is covered with striated plywood. Metal mesh screening protects the carpeting from shooting embers on all three sides.



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This attractive interior is notably enhanced by the modern design, corner fireplace built around HEATFORM Model "S".

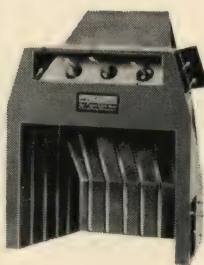
HEATFORM Model "M" (not shown) has the front and both sides open, affording a greater view of the fire; otherwise, the same as Model "S".



HEATFORM Model "S"



HEATFORM Model "A" installed with side cool-air inlets and warm-air outlets.



HEATFORM Model "A" for the traditional type fireplace. Shown installed in photo at left with side cool-air inlets and front warm-air outlet grille for greater heating efficiency and economy of installation. Side warm-air outlets may be used if preferred.

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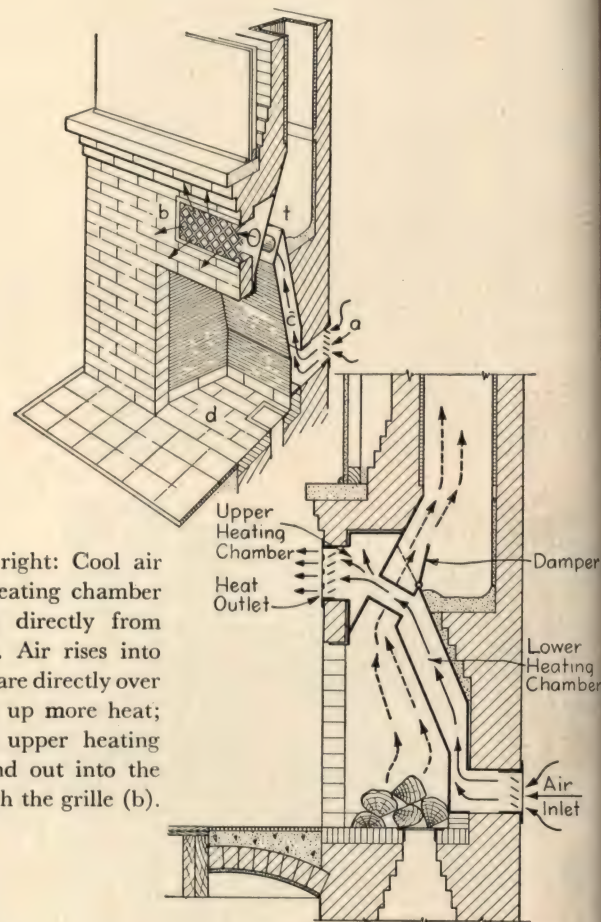
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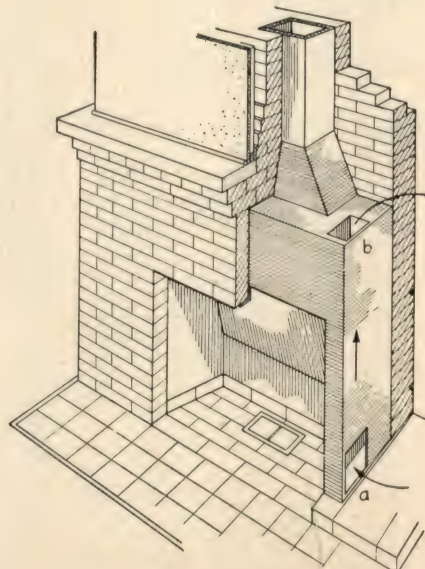
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Fireplace Facts

As heating plants, fireplaces are inefficient mechanisms. Yet because of their romance and the high esteem in which families hold them, fireplaces seem to be here to stay. A number of manufacturers have developed heat-conserving metal units that raise fireplace efficiency considerably by using some of the heat that would ordinarily escape up the chimney. Below, two of these are shown in cross section. One is connected to draw cool air from outside the house, heat and circulate it; the other is connected to heat and circulate the room air.



Above and right: Cool air (a) enters heating chamber (c), coming directly from out-of-doors. Air rises into tubes which are directly over fire, picking up more heat; thence into upper heating chamber, and out into the room through the grille (b).



This unit warms room air and recirculates it. Cool air at floor enters grilles placed low at front or sides of fireplace (often connected to heat chamber by ducts). Air (a) is warmed, rises, returns (b) to room. Heat ducts can be turned in any direction, so that heat can even be piped to another room.



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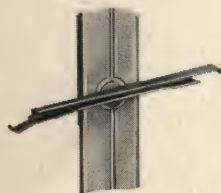
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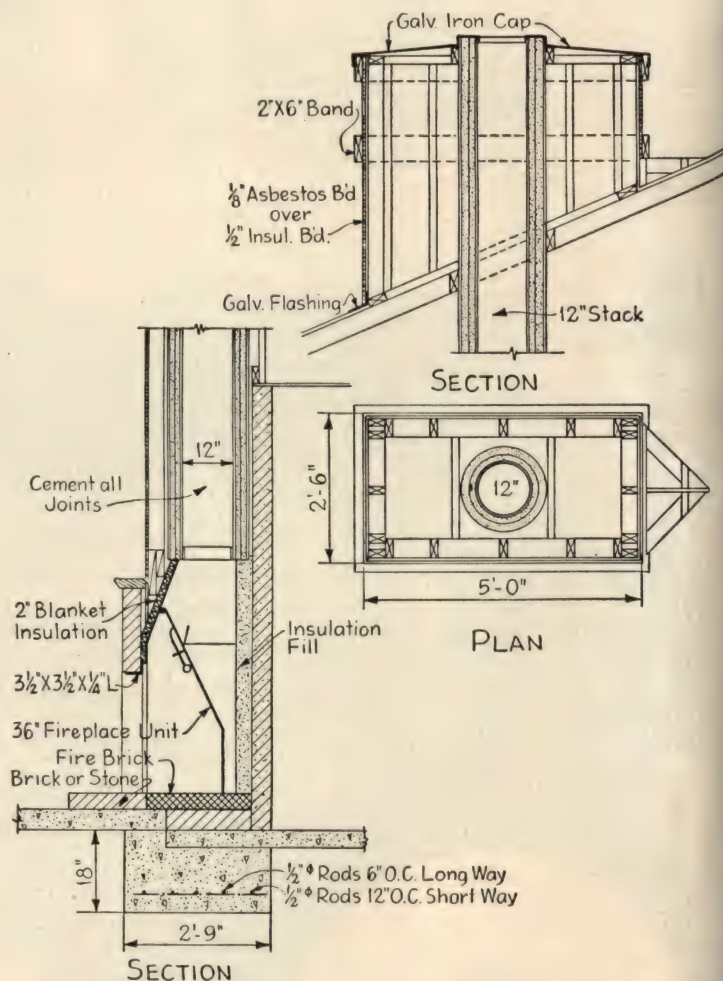
GUIDE
HOW-TO-DO-IT

Low-Cost Fireplace

The cost of building a fireplace can be cut in half with a new method of using prefabricated high-temperature pipe insulation instead of conventional materials for the flue.

The flues, successfully used in Oklahoma City homes by the W. P. "Bill" Atkinson Lumber and Manufacturing Company, can be installed in a fraction of the time required for old-style jobs. The cost of the pipe insulation, which is lighter than wood, stronger than most insulation materials and as incombustible as concrete, is about \$50 per fireplace.

The pipe insulation flues are self-supporting and rise from the top of prefabricated metal fireplaces to the chimney. Chimneys have a fireproof lining. The drawings and photos on these pages show details of the installation.



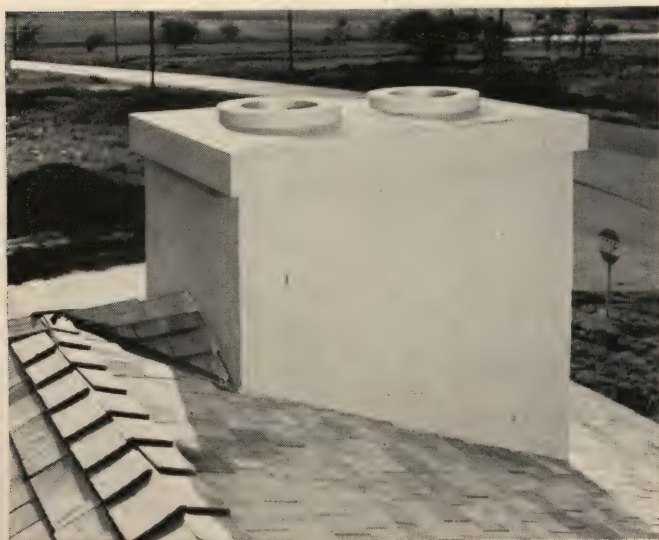
Two layers of pipe insulation, both 1½ inches thick, are wired together for the flue. Joints are sealed with fireproof cement. A rectangular piece of the insulation is used as the adaptor between the opening at the top of the fireplace and the circular flue. The rear of the fireplace is enclosed with cement block, and loose insulating material is stuffed between the fireplace and block wall.



A fireplace adds a definite note of luxury to a home—despite the fact that by using the new method it may cost as little as \$300. The new-type flue has functioned perfectly under severe testing.



This is the double fireplace as it looks before it is enclosed during last stages of construction. One unit serves the living room, the other an adjacent bedroom.



The chimney, constructed of simple, inexpensive materials, is unobtrusive. Cap is of galvanized iron; sides, $\frac{1}{8}$ -inch asbestos board over $\frac{1}{2}$ -inch insulating board.



A personal KITCHEN WITH THERMADOR

BY

Richard J. Neutra

RICHARD J. NEUTRA, F.A.I.A., R.I.B.A.



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FIR PANEL DOORS
 can do for your home!

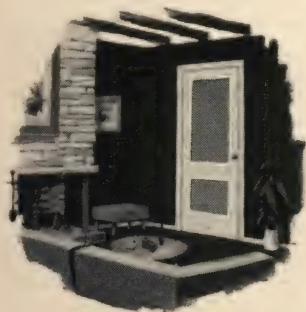
up-to-date styling . . . When remodeling or building, you'll want to follow contemporary design trends. New fir panel doors are designed to take advantage of modern tastes. Inset panels provide dramatic deep-shadow accents—offer refreshing relief from monotonous flat surfaces. The wide molding can be a picture frame for exciting decorative treatments with contrasting paints, fabrics, wallpapers, appliques. New fir panel doors bring rooms up-to-date . . . become an important part of interior decor.

cabinet-maker construction . . . Fir panel doors are made with meticulous care by old-school craftsmen. They won't warp; won't come apart. Only the best straight-grain Western fir is used—no shoddy materials, no shortcuts. Each door is carefully sanded and squared. Each meets exacting U. S. Commercial Standards and bears the **FDI*** hallmark to assure buyers of top quality.

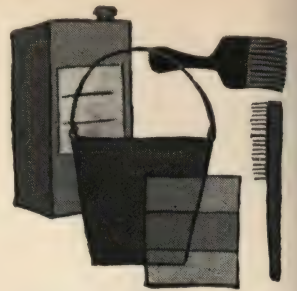
custom quality, low cost . . . The cost of fir panel doors fits modestly into any budget. Compare with other doors on cost alone—then add fir door's custom features, styling and dependability. You'll agree it best fits today's home—*your* home.

FIR DOOR INSTITUTE, Tacoma 2, Washington

*Industry grade-trademark signifying independent inspection—assuring quality called for in U. S. Commercial Standards.



Painting the Exterior



The paint on your new home will stay bright and beautiful for years provided you take three precautions:

1. Prepare the surface properly.
2. Use the right type of paint or other protective coating for each type of surface.
3. Make sure adequate precautions against moisture damage have been taken in the actual construction of the home.

Painting the new home as soon as possible after construction has been completed is important—for paint serves two vital functions. One is beautification and the other protection. Paint, especially for wood, is the best safeguard your home can have against the ravages of weather.

Types of Paint for Exterior Surfaces

Here, in brief, are the types of paint suitable for application to the various kinds of exterior surfaces, and the steps necessary in preparing each:

Clapboard siding—house paint, stain. Brush off loose dirt, fill cracks and holes with putty and prime the surface.

Wood trim—trim-and-trellis paint, house paint. Preparation is same as for clapboard siding.

Plywood—house paint, natural finishes, texture paint (for a stucco-like finish). Follow same procedure as with wood.

Natural wood—spar varnish, oil stains and a wide variety of other exterior clear finishes and preservatives. Brush off dirt, fill nail holes and use a paste filler if it is an open-grain wood.

Masonry (brick, cast concrete, concrete and cinder block, stone or cast stone). If it is considered necessary to decorate or protect any of these surfaces, use ordinary house paint, cement-base paint, rubber-base paint or transparent sealer. Brush off loose dirt, using wire brush if necessary. If using cement-base paint, dampen the surface first. If the masonry is extremely porous, it will be more economical to apply a coat of grout before painting. A primer or sealer coat should be used before applying house paint.

Cement-asbestos shingles. It is not necessary to paint this type of siding, but if a change of color is desired use rubber-base paint, cement-base paint or oil paint. Clean surface by brushing.

Metal siding—house paint, trim-and-trellis paint. Scrape or sand and brush away any dirt or rust that has collected. Prime with metal primer.

Asphalt shingles—house paint. Clean surface, prime with aluminum or exterior emulsion paint.

Metal trim—house paint, trim-and-trellis paint. Brush off rust and dirt, if any, and prime with metal primer. Exterior aluminum is normally given a coat of lacquer at the factory and needs no further protection.

Copper—spar varnish or exterior lacquer (it needs a coating primarily to protect adjoining surfaces from discoloration). Clean the surface.

Wood porch floors—porch-and-deck paint. Clean the surface, sand rough spots, fill holes or cracks. No primer coat is needed.

Concrete porch floors—porch-and-deck paint, rubber-base paint. Clean the surface thoroughly, especially making sure there is no grease on it.

(continued on page 250)



Picture Windows that open! Andersen Gliding Window Units.

**BRIGHTEN YOUR HOME WITH
THE WINDOW BEAUTY OF**

**Andersen
Windowalls***

Do you enjoy a gorgeous view? . . . rooms bright with cheerful sunshine? . . . plenty of fresh air? Then Andersen WINDOWALLS are for you, when you build or remodel! These finest of wood window units will serve you efficiently through the years both as windows and as walls. They'll give you window beauty in every season, yet place a weathertight, transparent wall between you and unpleasant weather!

Want a free, picture-treasury of window ideas? Then mail the coupon to Andersen today!

*TRADEMARK OF ANDERSEN CORPORATION

Sunshine enters; winter's cold stays outside. Andersen Casements.



**ANDERSEN CORPORATION
BAYPORT, MINNESOTA**

SHGSF4

Mail this coupon today for your *free* treasure trove of window beauty pictures and ideas. This puts you under *no obligation*.

Please check ☐ I plan to build.
☐ I plan to remodel.

Name _____

Address _____

City _____ Zone _____ State _____



"If you can paint a room, you can
insulate your attic with KIMSUL*
—it's easy as ABC!"

You don't have to be a carpenter — you need no special tools or equipment — to install Reflective KIMSUL* insulation in your home this weekend! KIMSUL is the easiest of all insulations to apply, and complete attic coverage of the average 5-room home costs less than \$70! Simply carry the rolls home in your car, cut each blanket to proper length and tack or staple in place. It's easy, easy, *easy*!

KIMSUL employs the world's most effective barrier to heat loss:

1. Thick Fiber Blanket
2. Reflective Aluminum Cover
3. Positive Vapor Barrier

That's *triple* protection in one application — designed to reduce winter fuel bills up to 33% each year and

keep room temperatures as much as 15° cooler on hottest summer days!

Start enjoying the exclusive advantages of America's finest insulation *now*. Look for the KIMSUL dealer who displays Mr. "Do-it-yourself" (shown below), or write to Kimberly-Clark Corporation, Neenah, Wis.



KIMSUL
INSULATION

*T. M. REG. U. S.
& FOREIGN COUNTRIES

A Product of
Kimberly-Clark

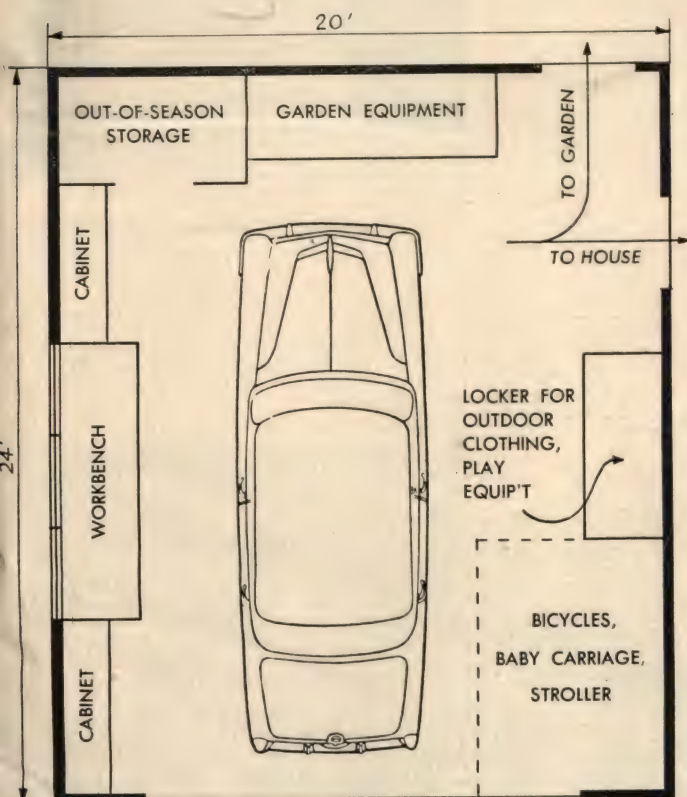
More use from your garage

One thing you will have to watch in your garage is the organization of space. If there isn't a place for everything, the garage will become a disorganized mess with no room for the car itself. It's a good idea to plan the uses to which you expect to put the garage before you build. Plan an extra foot or two of garage space before building starts—the cost will be negligible.

The typical home garage is much more than a shelter for the family car. It is also the place where Dad stores his garden tools, where Mother keeps the baby carriage and stroller, where the children park their bicycles and outdoor toys.

If it is attached to the house, the garage can also provide space for the home laundry. It can shelter the home workshop, store sports-and-crafts equipment, and warehouse the family's out-of-season belongings.

Most garages are at ground level, so bulky equipment need not be hauled up or down stairs, as with a basement or attic. The door is wide enough to permit passage of all kinds of equipment. The walls and floor are built to take punishment, and if they are scratched or muddied by the movement of bicycles and lawn mowers, no great harm has been done.



Organization of a two-car garage for a one-car family. Cabinets flank a workbench under a wide window. Out-of-season storage is in a rear cabinet, garden equipment on wall and floor next to exit to the garden. Lockers alongside house door make it possible to keep boots, outdoor clothing and playthings here; and large wheeled toys go up front, near the driveway.

(continued on page 135)

MASONITE PRESDWOOD

turns big problems
into little ones!



Woven Wall Protects Your Car for as little as \$40⁰⁰*

Another new Presdwood idea for improving your home

It's simple! Strips of Masonite 1/4" Tempered Presdwood in one-foot widths (or wider) are woven around a series of posts and fastened at the ends. After a couple of coats of paint, you'll have an uncommonly attractive weatherbreak for your car.

Among the family of Masonite Presdwood® Products, you'll find illustrated above 3 more important members:

Masonite Siding will protect your home for years and years. Choice of 3 widths. Easy to apply and holds paint years longer.

Masonite Peg-Board* panels provide ventilation for eaves and soffits.

Masonite Panelwood is an ideal, low-cost material for ceilings of carports, breezeways and porches.

There are dozens and dozens of other ways to enrich your home with these versatile all-wood hardboards. Send for a colorfully illustrated booklet filled with ideas for your home.

*Based on average cost of Tempered Presdwood for 20-ft. x 8-ft. carport wall.

New idea booklet for home improvement!



NATURALLY STRONGER WITH LIGNIN

MASONITE
CORPORATION

Dept. SHG-415, Box 777, Chicago 90, Ill.

"Masonite" signifies that Masonite Corporation is the source of the product

Please send me your booklet telling how to use Masonite Presdwood for improving my home. I am enclosing 10¢ to cover packing and shipping charges.

Name.....

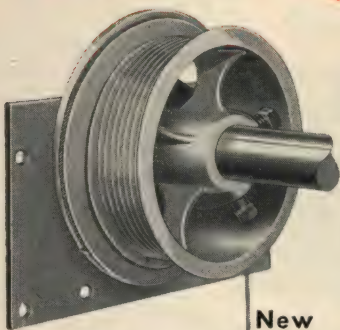
Address.....

City.....Zone.....

County.....State.....

*"Peg-Board" Reg. T.M. U.S. Pat. Off. B. B. Butler Mfg. Co., Inc.

Safely home . . . with MIRACLE CONTROL!



**New
Tapered Drum Insures
Perfect Counterbalance
in Any Position!**

It's easier than ever to open The "OVERHEAD DOOR" by hand. This drum does for your garage door what power steering does for your car.



Open your garage door from your locked car

Lurking shadows hold no terrors when you drive up to your garage in your locked car. Just press the button as shown above. As if by magic, up goes The "OVERHEAD DOOR". . . on come the lights. Safely within, you press again—the door slides smoothly down and locks securely. This is all done *electronically* by . . .

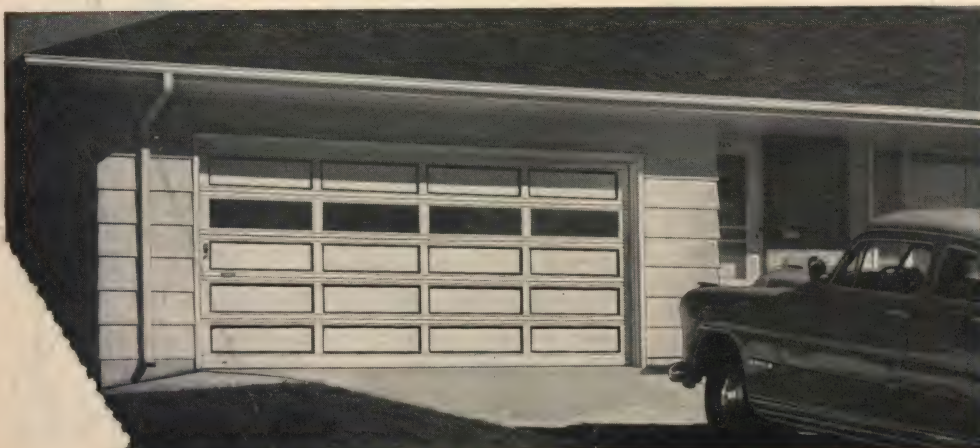
THE



and MIRACLE CONTROL

Moderately priced—and the greatest convenience you've ever known! This marvelous Miracle Control saves as much time and effort as any other appliance you can buy for your home.

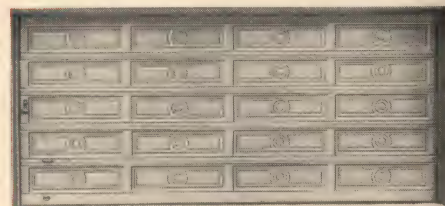
The "OVERHEAD DOOR" adds to the beauty, value and convenience of your home. Shown below is a standard door, hand operated.



SPECIAL DESIGNS FOR INDIVIDUALITY



Your home can be distinctively different from those around it, through your choice of garage door design and selection of colors. Carved panel doors in two colors brighten the whole house. Many other special designs are available to blend with any style of architecture.



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America's Great Name in
QUALITY DOORS...

GET THE FACTS!

Free folder shows doors of standard and special designs in full color, gives information on Miracle Control. Write to:

OVERHEAD DOOR CORPORATION

Dept. SH-2, Hartford City, Indiana

Nation-Wide SALES • INSTALLATION • SERVICE



MORE USE FROM YOUR GARAGE

(continued from page 133)

Shovels, spades and other
ground and garden tools
can be hung in neat array,
off the floor and conven-
iently at hand. Metal
locks are available for
the job.



A "mudroom" in the attached garage—the spot where muddy boots, outdoor clothing, toys and sports equipment are kept in lockers like these, next to the door leading into the house.



Even an open carport can shelter closed-off storage areas. The two storage compartments shown here can house a multitude of outdoor equipment, from garden tools to tricycles.



Window Beauty that Lasts and Lasts

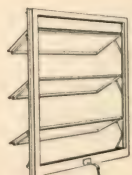


There's a new look to windows. Gone are the old bulky frames and thick lines. In their stead are trim, slim Lupton Metal Windows, as sleek as the '54 silhouette, with beauty that lasts and lasts.

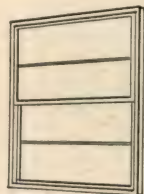
Shown at the top are the new, new Lupton Aluminum Awning Windows. They feature "balanced closing". A handle, centered on the sill, exerts equal pulling power to both sides of the window at once. Result — tight, even closing on all four sides . . . always.



Lupton Aluminum
or Steel Casement



Lupton Aluminum
Awning Window



Lupton Aluminum
Double-hung Window



Write Dept. SHG-1
for FREE folder on
Lupton Windows

Framing the view to the sheltered patio are Lupton Aluminum Casements. One of the oldest window styles, they are just as popular today as they ever were. Modern production and precision engineering make Lupton Casements among the world's most efficient windows — without sacrificing one bit of their age-old charm. Both Lupton Casements and Awning Windows give 100% benefit of the window opening. Casement windows are available with or without muntins, to blend with any architectural style.

Another newcomer to the famous Lupton line is the Aluminum Double-hung Window pictured on the left. It too is available with or without muntins, to make it agree exactly with your house. Accurately made and fitted, the Lupton Aluminum Double-hung Window, like all Lupton Windows, will give you years and years of completely satisfactory service. And remember . . . Lupton Aluminum Windows never need painting . . . think of the savings throughout the years.

Your architect knows Lupton Metal Windows. Ask him about their beauty, convenience and quality . . . or write direct for the complete Lupton story.

MICHAEL FLYNN MANUFACTURING CO.
700 East Godfrey Avenue, Philadelphia 24, Penna.
Member Steel Window Institute & Aluminum Window Mfrs. Assoc.

LUPTON METAL WINDOWS

Built with Briar Hill
Stone means built
for beauty



When you build with stone...
be sure it's genuine

Briar Hill

GOLDEN TONE SANDSTONE

There are differences in stone. Perhaps the most striking is in coloring and appearance. Another difference is the ease with which the stone may be laid. Or to put it another way, how much time and money you spend *after* you have purchased the stone.

Briar Hill Golden Tone Sandstone excels on both counts. *Nowhere will you find stone with more delicate natural colors.* Briar Hill natural sandstone, quarried in Ohio, graces some of the most beautiful homes in the nation. People in New England, in Virginia, in Iowa—all over the country—are happy to pay freight charges to get this superior stone.

Building with Briar Hill Stone costs less per square foot. This is because it is better prepared at the quarry to make it easier for you to work with. Briar Hill Stone is sold by *square foot coverage*. No guessing how much you need. No expensive wastage.

Whether your plans call for a fireplace or chimney of stone, a stone front, or complete stone construction, you will find in Briar Hill Golden Tone Sandstone the material that fulfills your requirements for both beauty and building economy.

FREE BOOK

Beautifully illustrated book shows 20 modern homes built with stone; has full-color pictures of stone patterns and color combinations; gives information on setting stone and figuring wall coverage; sparks your ideas for fireplaces, chimneys, patios. Send coupon today for your free copy.



THE BRIAR HILL STONE COMPANY
Dept. K, Glenmont, Ohio

Please send free book, "Built for Beauty with Briar Hill Golden Tone Sandstone."

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A patio roof like this will
make outdoor living more
enjoyable.



Roofing a Patio

A roof of corrugated plastic in any of the many colors now available will make your patio or porch a much more useful outdoor living area. The plastic eliminates the scorching glare of the summer sun and creates cool shade. Adjacent interior rooms are not darkened, however, because the material merely diffuses sunlight, and does not block it. Anyone can install such a roof simply and inexpensively. The plastic is easily nailed or drilled and requires only light framing. The photographs on these pages give step-by-step instructions for such a project.



1- Start by setting the post. Here a 1/2-inch steel dowel has been set in the concrete floor and the post drilled to slip over the dowel.



2- Nail the main header to the posts and a back header to the building, making certain the two headers align. In this installation, the posts are 4x4's and the main header supporting the roof is a 4x6.



3- Cut 2x4 rafters to length and notch them at the point where they will be nailed to the main header. Nail the rafters to the header and add cross bracing to complete the framing. Stain or paint before proceeding.



4- The plastic sheets can be cut with an ordinary handsaw, metal cutting saw or a power saw using an abrasive blade. Mark with grease pencil or crayon. Considerable cutting can be avoided by planning the roof to conform to panel sizes available.



5- Special mastic strips are provided to place between overlapping sheets of the plastic to produce a permanently waterproof seal. Overlapping sheets should be nailed with the nails passing through the mastic.

Nail at every second or third corrugation along the headers and at 12-inch intervals along rafters and braces. Drill through the plastic first.



Which driveway is one year old... Which one is five years old?

BOTH driveways are located in the same city, and subject to the same climate conditions. You would expect that the cracked and broken driveway had been built five years ago, and that the one with unbroken paving had been built recently. Actually the reverse is true. The one on the left was constructed five years ago with *American Welded Wire Fabric* reinforcement; the one on the right was built a year ago without reinforcement.

Here is dramatic proof in pictures of the value of welded wire fabric. In driveways, foundations, sidewalks, terraces—in any concrete construction which goes into building a house—the proportionately small cost of American Welded Wire Fabric reinforcement pays off big dividends in long-lasting service and good

looks. American Welded Wire Fabric's small, evenly-spaced steel members bind foundations, walls and floors into a solid unit . . . eliminate the common causes of cracked plaster, warped floors, sagging baseboards and other damages which detract from the dollar value of a home.

Now, more than ever, whether you're remodeling or building, you expect real value for the money you spend . . . and you are wise to consider what maintenance and repair expenses will be in the years to come. That's why you should insist that American Welded Wire Fabric be used in the concrete construction in your house. We'll be glad to send you an illustrated folder giving more information about Welded Wire Fabric . . . just mail the coupon below.

AMERICAN STEEL & WIRE DIVISION, UNITED STATES STEEL CORPORATION
GENERAL OFFICES: CLEVELAND, OHIO

COLUMBIA-GENEVA STEEL DIVISION, SAN FRANCISCO, PACIFIC COAST DISTRIBUTORS
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**MAIL THIS
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American Steel & Wire Division
Room 842, Rockefeller Building
Cleveland 13, Ohio

I am interested in the use of American Welded Wire Fabric and would like more information without obligation.

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Every type of reinforced concrete construction needs
AMERICAN WELDED WIRE FABRIC

UNITED STATES STEEL

ALUMINUM NAILS
would have prevented these
"RUST MEASLES"



WHEN YOU BUILD OR REMODEL, INSIST ON...

NICHOLS NEVER-STAIN

ALUMINUM NAILS

- Never Rust-Streak or Spot
- Save a \$300 Premature Repainting Expense
- Last a Lifetime
- Economical—cost less than \$4.00 to apply the wood siding to an average home
- Protect the beauty of your home

Never-Stain Aluminum Nails are FHA approved.

Investigate Nichols "Never-Stain" Aluminum Chain Link Fence—the fence for lifetime beauty—maintenance-free

RUST-PROOF

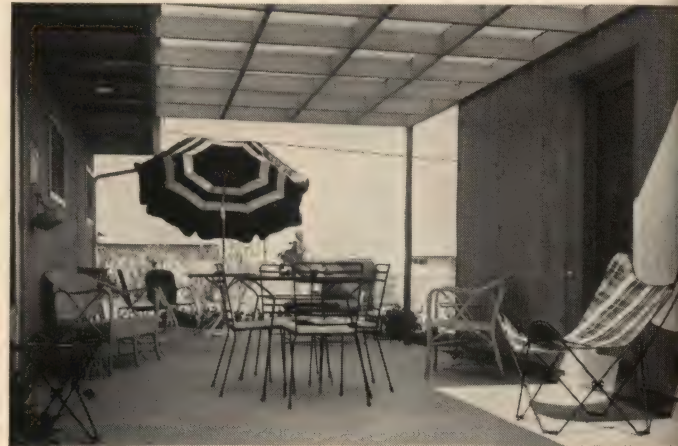
NICHOLS WIRE & ALUMINUM CO.
DAVENPORT, IOWA
World's Largest Manufacturer of Aluminum Nails

HAVE AN

Outdoor Living Room

YOU DON'T HAVE TO ROUGH IT to enjoy the outdoors these days.

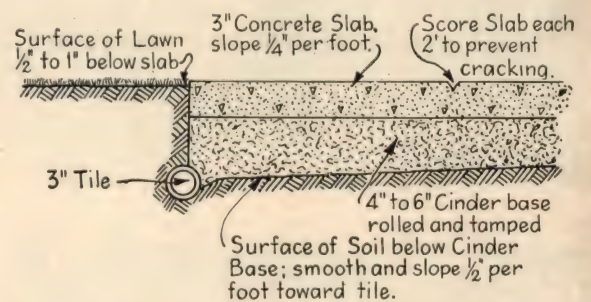
With proper planning, the patio—coming to play a more and more important part in modern living—can be as efficient and comfortable in its way as any other part of the home, and certainly it can be easier to care for. Moreover, through planning you may lengthen the season during which your patio can be fully used.



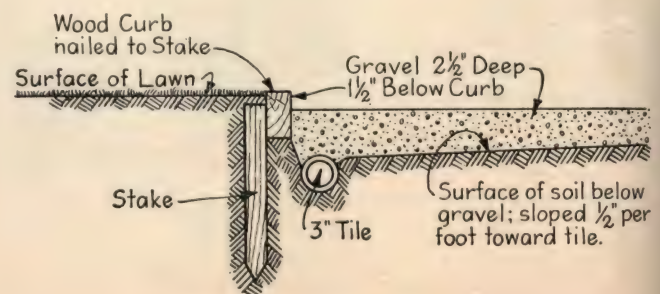
A breezeway, sheltered on two sides, is a good spot for a patio. This one has a corrugated plastic roof and a floor of smooth concrete.

The elements you deal with in planning the patio are much like those encountered in designing a home. You are concerned with floors, walls (actually fences or windbreaks), a roof, perhaps, and even plumbing and wiring. For maximum enjoyment of your patio, in terms of comfort, you'll need all of these. Here are ideas on each:

The type of floor is the most important consideration in plan-



Two suitable patio floors—concrete slab and gravel. The drawings show cross sections of both. Where soil drains poorly, drain tile should be used as indicated, with soil surface sloping toward it. A firm bed of cinders or sand is necessary to prevent concrete-slab floor from heaving and cracking during weather extremes.



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FOR
Any Budget!**

Three ways to give your home

Servel Wonderair

weather comfort

① Servel All-Year® AIR CONDITIONING FOR YOUR NEW HOME!

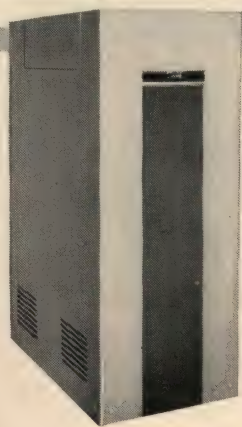


A house can't be a *real* home all year round . . . if it bastes and broils you in the hot months! Why build just *half* a home . . . when Servel **Wonderair All-Year**® Air Conditioning heats your home in winter, *cools* it in summer, for little more than the cost of heating alone!

Now, *while you're planning*, is the economical time to work toward all *seven* air-conditioning advantages:

Cooling in summer • Heating in winter • Removal of excess humidity in summer • Addition of needed moisture in winter • Ventilation with outside air • Filtering of the air • Circulation of air.

Servel **Wonderair** Air Conditioners are silent, compact, last longer, require less service because they have no moving parts in heating or cooling units. Capacities of 2 to 5 tons. Ask your architect or send coupon!



②

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Here's something new for owners of gas furnaces! Now add cooling . . . use your present heating ducts. The economical plan for any home with a relatively new gas furnace—at surprisingly low cost! Operates on Servel's exclusive absorption principle—has no moving parts to wear in the cooling unit. You save!

③



Wonderair
Room Air
Conditioners

Widest choice! Lowest prices! Most attractive! Quietest! Check **Wonderair** against your needs. (1) Trim ½- and ⅓-h.p. units with exclusive pull control fit casement or regular windows! (2) Special economy ¼-h.p. model for lowest-cost cooling! (3) One-dial ¾- and 1-h.p. models to cool, ventilate, exhaust! (4) New ¾- and 1-h.p. reverse cycle units cool or heat! See your dealer or send coupon.

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Way #2 ☐

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Zone _____

County _____

State _____

This TRUSCON TEST May Help You Make Sure Your New Home is Truly Up-to-Date

Check these answers against your plans:



1 Do picture windows allow for ventilation?

Yes, when they're Truscon Ranch Windows, handsomely styled in long-lasting steel. Awning-type ventilators capture the wispiest breeze. Can be fitted with double insulating glass for all-season comfort.

2 Do windows respect your heating bills?

Yes, when they're Truscon Steel Double-Hung Windows with stainless steel weatherstripping. No danger of warping, shrinking, swelling—weathertightness is built-in to stay.



3 Do interior doors fit modern decorating ideas?

Yes, when they're Truscon Steel Doors, so easy to paint to match room colors. Flush, modern lines. Sound-deadened. Can't warp, swell, shrink. Can't stick.



4 Can you reach everywhere in closets?

Yes, when you have Truscon Sliding Steel Doors. You gain floor space, too. So quiet—they glide on nylon. Fine for remodeling—and as room dividers.

Remember: Metal doors and windows mean low, low life-of-the-house cost. Save on maintenance, protect re-sale values. Ask your contractor or building supply dealer. Send coupon below for latest literature sparkling with door and window ideas.

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Please send me FREE illustrated literature describing all features and special advantages of Truscon Residential Metal Windows and Doors.

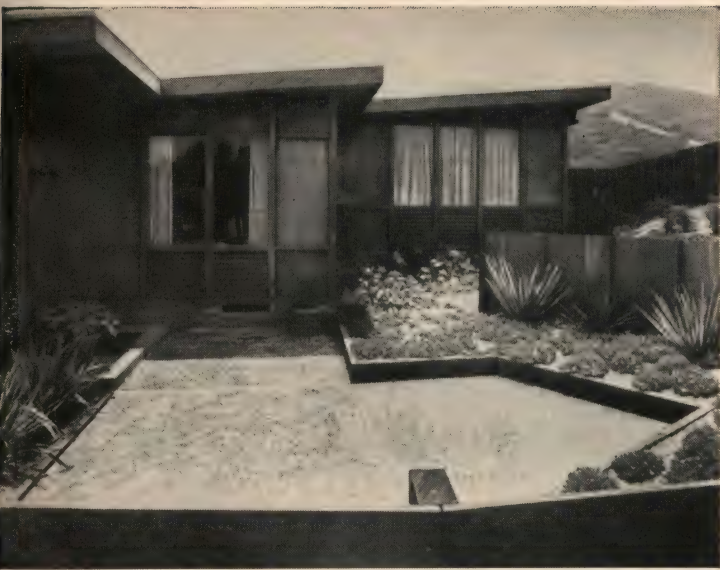
Name _____

Address _____

City _____

Zone _____

State _____



This irregularly shaped patio has a floor of gravel with curbs of wood. Fence surrounding it is constructed of big plywood panels.

OUTDOOR LIVING ROOM (continued from page 138)

ning a patio, for the wrong kind of floor is a perpetual maintenance problem. The most suitable are concrete-slab floors and flagstone or brick, either set in concrete or laid over a firm bed of sand or fine gravel. Tile is another possibility—but much more expensive than the others.

A floor of gravel, kept in place by a border or curb of wood or concrete, is the least expensive type of all. Its disadvantage is that frequently gravel turns up all over the lot, particularly if your home is blessed with little boys and a dog.

A well-designed patio will have protection from the chilly winds of early spring and late fall, and privacy which means shielding the patio area from outsiders' eyes and screening off undesirable views.

Rarely does the homeowner want the patio enclosed on all sides, but it is usually desirable to have a fence on one or more



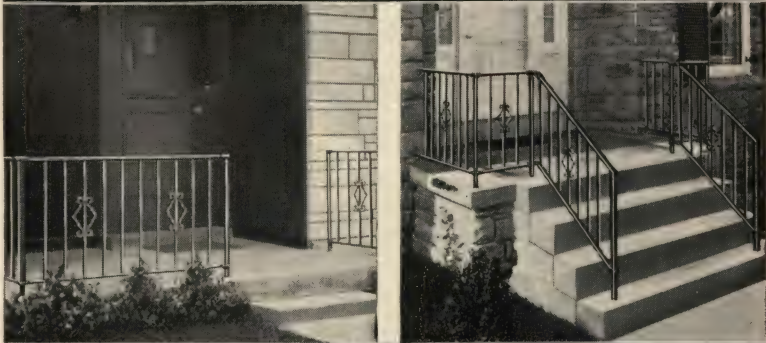
Colorful canvas and a wide roof overhang provide plenty of shelter for this pleasant outdoor living room. Floor is flagstone set in concrete.

sides in addition to the wall formed by the house itself. Certainly, the patio will be more comfortable with a windbreak on what is normally the windward side. That alone may add weeks to the season in which outdoor living is desirable.

The type of fence to provide depends on the role it must play. If protection is needed, perhaps you will want a solid wood, stone or brick fence. If you want protection from strong, direct winds but still need ventilation, a baffle or louver fence of wood



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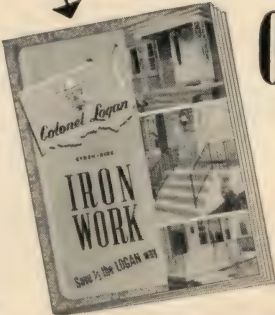
Write today for booklet showing how Colonel Logan ORNAMENTAL IRON will add lasting charm to your new home, or remodeled home at surprising low cost. These Railings and Porch Columns can be self-installed, or installed by your contractor, as you wish. Colonel Logan ORNAMENTAL IRON is sold by your building supply dealer or lumber company.

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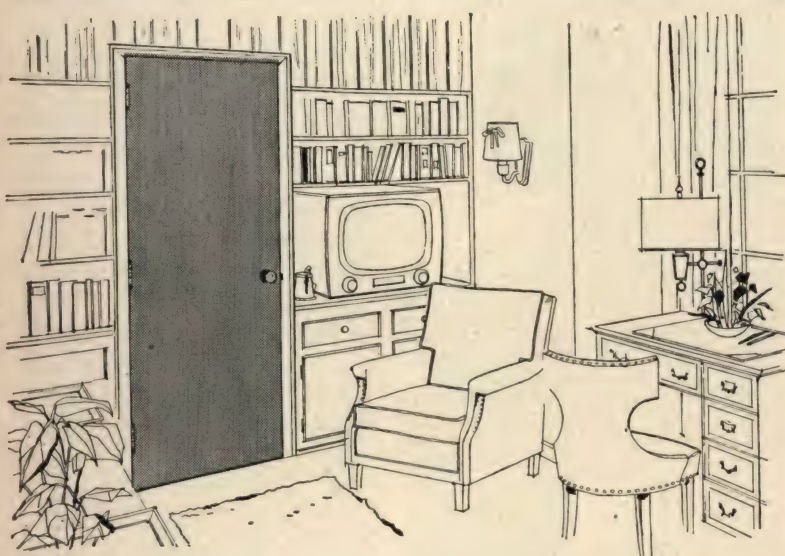
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Hidden inside the beautiful wood panels are construction features others copy but never equal. *Only* a REZO Door has the air-vented, interlocking core mesh that assures rigidity, trouble-free service, lightweight strength and warp resistance in *any* climate! If you take pride in *your* home, choose REZO... America's finest hollow-core flush doors!

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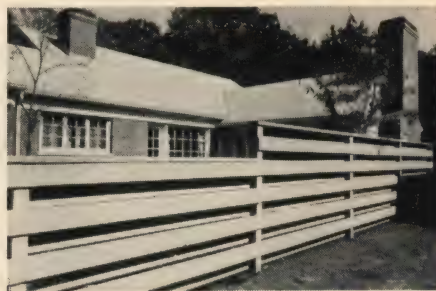
• WISCONSIN

will do the trick; it also provides privacy. If beauty is the object, consider a fence of nature's own materials—flowers, shrubs and trees. Some plants will provide an effective windbreak, too.

Gaining protection from the summer sun may involve roofing at least a part of the patio. If it is on the east side of the house, a wide roof overhang may give all the shelter necessary. Otherwise, a roof of plastic (see "Roofing a Patio" elsewhere in this issue), wood louvers, latticework and foliage or other suitable materials will make the patio far more livable. At least a partial roof is also desirable as protection for patio furniture and equipment against the ravages of sudden storms.

The assertion that plumbing and wiring should be considered in patio planning may seem odd at first, but even a minimum of each—a water faucet and some type of light—makes the patio far more useful.

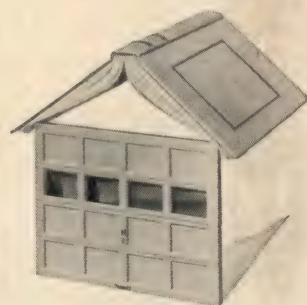
If your outdoor living includes cooking and eating, it's desirable to have a water supply near the barbecue—and the cost is negligible if the patio adjoins a side of the house where kitchen or bathroom plumbing is located. Simply run a supply pipe through the foundation or side wall. New on the market to help you is a faucet which, when turned off on the outside of the house, actually shuts off the water supply on the inner side of the



This interesting board fence assures privacy but does not cut off breezes.

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It's more than likely you'll LIKE *everything* about Ro-Way garage doors—because owner satisfaction is built right into every detail.

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You'll LIKE the way Ro-Way doors are built... with mortise and tenon joints both glued and steel doweled for extra strength; muntins, rails and stiles precision squared for precision fit; sections rabbeted for weathertight joints; millwork drum and hand sanded for real smoothness.

You'll LIKE the way Ro-Way heavy

gauge hardware is both Parkerized and painted—after fabrication—for maximum rust resistance.

You'll LIKE the quiet ease of Ro-Way operation, assured by friction-reducing Taper-Tite track coupled with Seal-A-Matic hinges; easy gliding, ball bearing Double-Thick tread rollers; and specially made springs with tension Power-Metered to the weight of each door.

It isn't likely you'll ever regret having a Ro-Way garage door—so tell your architect or builder that's what you want. Meantime, write for interesting FREE literature.

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OVERHEAD TYPE
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there's a Ro-Way for every doorway

Sales and installation service in all principal cities



The rustic, rugged beauty of this patio is separated from the home's interior by a wall of glass. Plants, brick and stone are used well.

...wall; that eliminates the danger of a frozen pipe in the winter. At the time you are building your home, it's not difficult to dig a trench for piping water from the house to the outdoor replace, if that would be more convenient.

Probably enough light for the patio can be provided by installing one or more fixtures, perhaps floodlights, on the side of the house—preferably under the eaves or a roof overhang where they will be protected. Beyond that you will probably need only one or two outlet boxes on the side of the house to provide electricity for radio, record player, electric cooking equipment and the like. You may want to provide a source of electricity at the outdoor fireplace.

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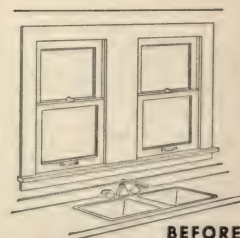


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Illustrated above, Hope's Ranch Window type 33RW with two ventilators

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Careful consideration should be given to the kind and make of windows you select for that new home you're planning or the one you're remodeling.

Hope's Steel Ranch Type Windows shown here not only suit ranch style homes but they are equally effective in other types of architecture.

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Hope's Steel Ranch Type Windows cost no more than good quality weather-stripped wood windows; frequently cost less.

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*The Finest Buildings Throughout the World
Are Fitted with Hope's Windows*



Lockset Installation

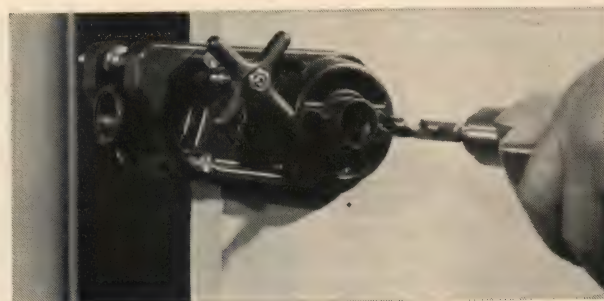
One job you can do for yourself in your new home is the installation of door locksets. New type locks, new tools and new methods have made the operation quick and simple. The photographs on these pages show installation of one type lockset. Many dealers will rent or loan the special installation tools.



Set jig on the door at the desired height (proper distance from the floor in most cases is 36 inches).

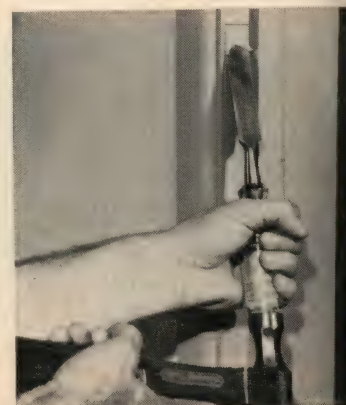


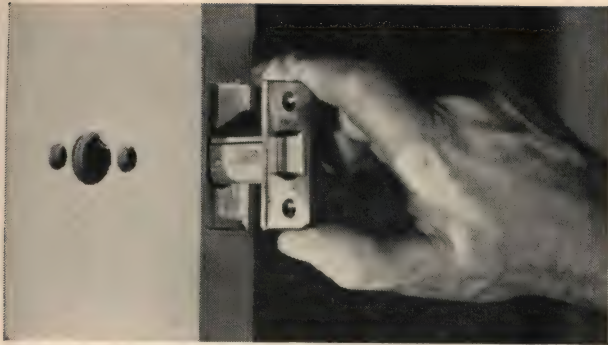
Drill two $\frac{7}{8}$ -inch holes in the door for the latch and spindle of the lockset, using the jig as a guide. The jig shown here is for use with a power drill.



Drill two $\frac{1}{16}$ -inch holes for the lockset assembly. Such small holes made possible by the development of tubular locks, do not decrease strength of the door.

Mortise for the latch face and remove excess wood with a chisel. A mortising guide, which is held against the door and hit with a hammer, cutting the outline of the mortised area, makes the job easy.

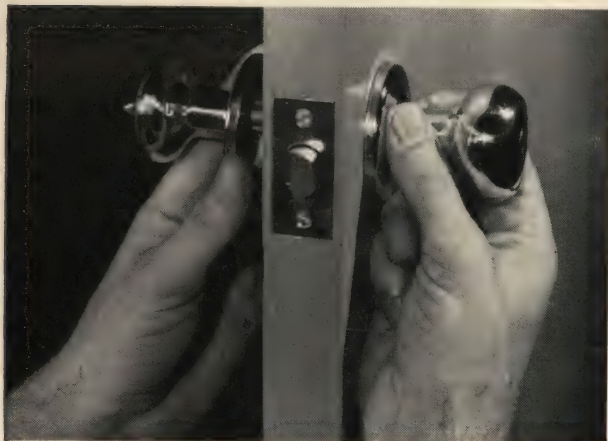




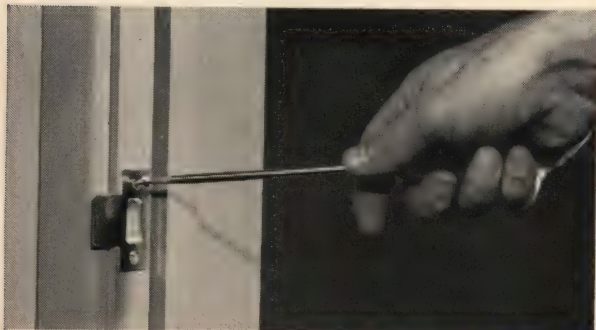
Insert the latch. A simple turn of the latch will place it in the proper position for either left or right-handed door installations.



Screw the latch face plate into place and install the exterior knob assembly. Use of the jig for drilling assures that all parts will fit perfectly.



Install interior knob and tighten the two machine screws that hold the assembly in place from the inside of the door.



Mortise the door jamb, install the strike plate and tighten the screws. Proper position for strike can be located with special finder before latch is installed.



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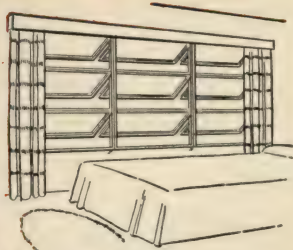
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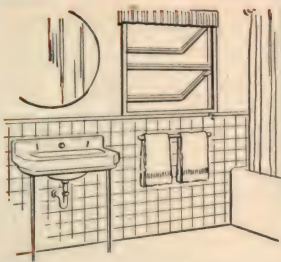
City _____

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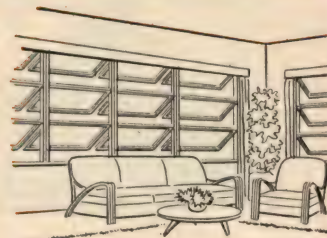
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The trend in private home building is toward convenience, with the emphasis on horizontal construction. Conscious of this trend, home builders with an eye to the future are turning in ever-increasing numbers to Gate City Wood Awning Windows.

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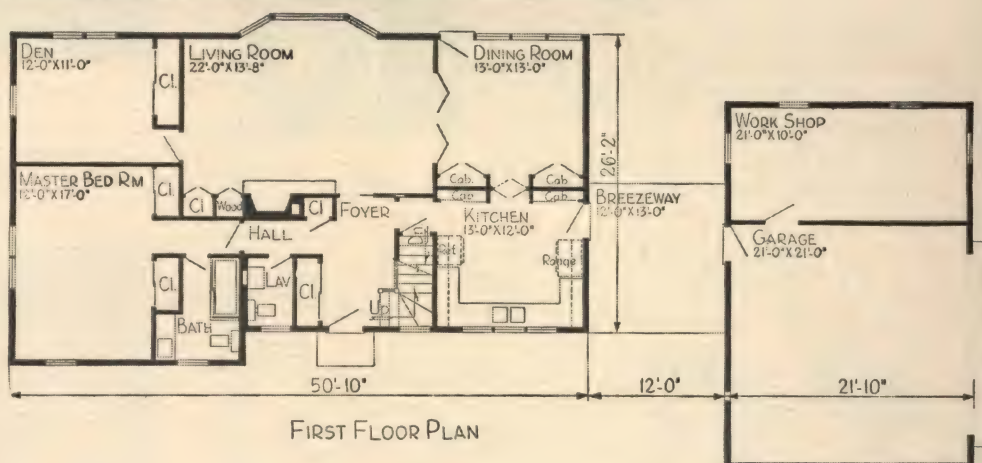
Name

Address

City Zone State



Exterior of the house has an air of country charm about it, gained through the use of white-painted clapboard siding and shutters. Long and sprawling, the design is excellent for a large lot. Living room, at the rear of the house, has a big bay window which takes full advantage of the view.



Use of patterned wallpaper with a small, neat print and partially louvered closet doors gives the front entrance hall a Colonial look, quite in keeping with the exterior design of the house.

Another GUIDE plan becomes a reality

The owners of this house, designed by Architect Robert A. Green, selected the plan because it was a happy compromise between functional modern and appealing traditional. Actually a story-and-a-half house, the first-floor bedroom makes one-level living possible for a family of two; second-floor bedrooms are pressed

View from the dining room into the living room reveals refreshingly simple fireplace enhanced by a knotty-pine paneled wall. Built-in shelves were substituted for closet in original plan.



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☐ Please send Free Webbing booklet and color swatches.

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city.....zone.....state.....

into service when company comes to stay. The house is furnished in a manner becoming to its style—floor and wall coverings, draperies and furniture reflect a happy marriage of 18th Century and Colonial. Plan No. 1303A from which the house was built is still available from the architect.



Big living-room rear window affords a wonderful view of the landscape. Furniture is carefully placed for full enjoyment of the view, too. Wallpaper is the same pattern as that used in the hall.



Louvered doors may be unfolded to completely close off dining room, if desired. Large-sized built-in cabinets are a feature of the dining room as are the quaint swinging doors which lead to the kitchen.



Scenic wallpaper above the dining-room dado offers a second view for the area. Patterned rug over the tile floor provides additional pattern—a nice contrast to the plain draperies and leather upholstery.

Install Lasting

Comfort...

When You Build Your Home

A lot of things go to make up your comfort... including proper winter air conditioning. You can really relax and enjoy yourself when you have no furnace cares.

The Waterman-Waterbury Company has developed a specially engineered winter air conditioner that is outstanding for its economical, trouble-free operation. Perfectly controlled heating can be yours whether your home is large or small... compact or rambling.

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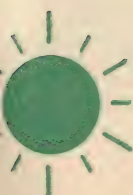


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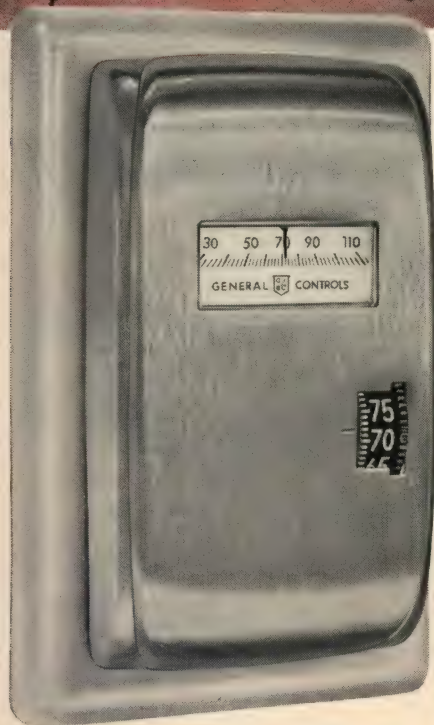
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*Automatic
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Control Systems

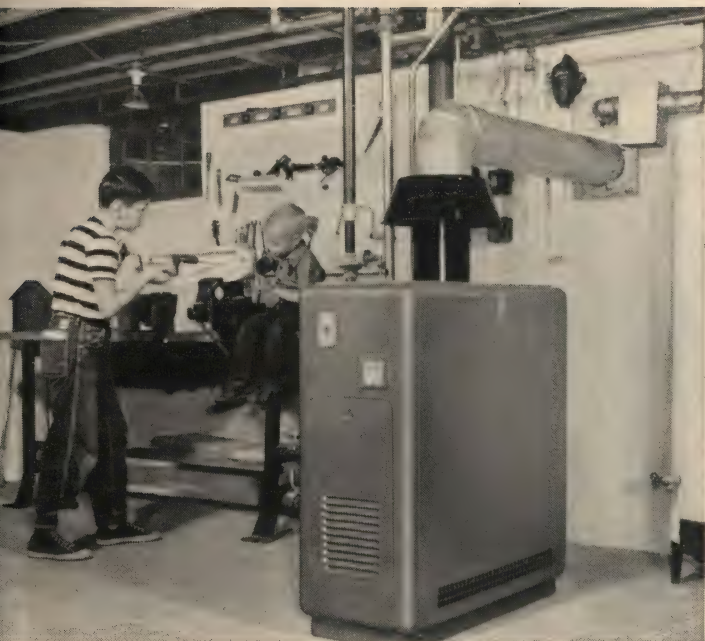
GENERAL CONTROLS



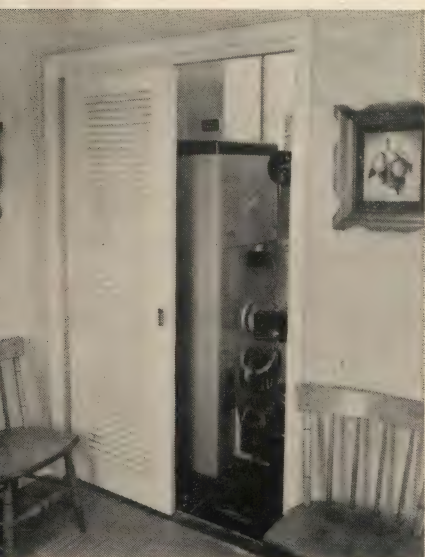
Plants in: Glendale, Calif., Burbank, Calif., Skokie, Ill.

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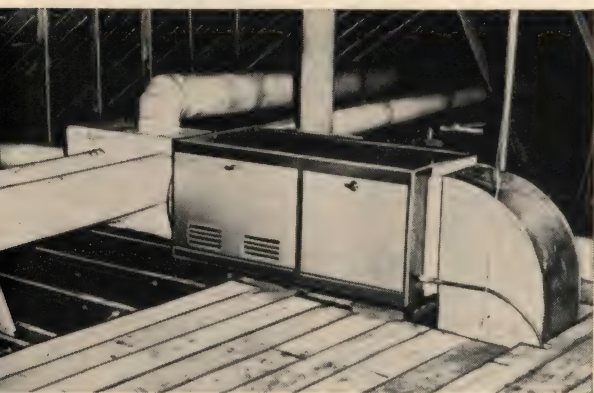
SEE YOUR CLASSIFIED TELEPHONE DIRECTORY



This gas-fired boiler is so compact and so clean that the basement can be used as fully as any other part of the house. Place your heating plant to permit maximum utilization of basement space.



Today's warm air furnaces are so small that they can be installed anywhere in the house. This one housed in a small closet, doesn't take up any of the home's valuable living space.



Here again the compactness of modern heating plants is illustrated. The central warm air plant in this home was installed in the attic, a location that would have been out of the question with the bulky plants of the past.

EQUIPMENT SECTION

*here's the information you will need to pick
the system that's best for your home*

A PRIMER OF HEATING

One of the big questions that must be answered by every prospective homeowner is: "What kind of heating equipment will do the best job for my home?"

Early cooperation between the heating contractor and the general or carpentry contractor is desirable. The heating plant should be considered in relation to the entire house, and plans for it should be incorporated into the house plans before construction starts.

This can usually result in some savings; and if the plant, its ducts or pipes and room outlets are planned ahead of time, the system can be installed without having to cut through and weaken joists, beams or other structural members.

Your heating contractor should furnish a layout of the system you decide upon, together with written guarantees on the equipment and a service agreement. The layout and actual installation practices should meet standards set by local ordinances.

Selecting Your Heating System

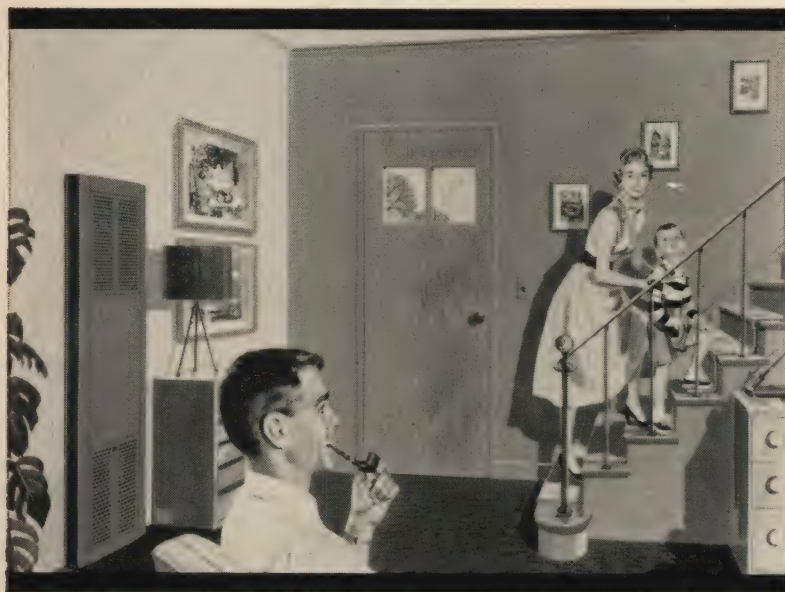
The initial cost of a heating system may be deceptive. A cheap plant may prove costly in the long run, wasteful of fuel and non-productive of comfort. The real cost of any heating system is the original cost *plus* the cost of fuel *plus* maintenance (with an added plus for your discomfort should the system prove inadequate).

Often the architect or building contractor will have a preference in heating systems and will recommend one over another. Occasionally, a home will be designed around the use of a certain heating system. But most often the choice is wide open. The homeowner must have some basic information so that he can make an intelligent selection, or so that he can at least discuss a selection intelligently with the heating contractor.

Some of the factors that should go into the selection of heating equipment are discussed below.

Modern heating is fully automatic. Today there is nothing for the homeowner to do once he has set the thermostat to the heat level he wishes to maintain. The thermostat orders the heat on and off; and the automatic nature of the system is assured by

Here's Modern Heat FOR Modern Times!



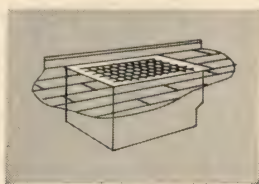
**upstairs...downstairs...
all through the house...**

TEMCO has the flexible heating units to fit modern floor plans. Smart home builders are turning to TEMCO Wall Heaters and Floor Furnaces for the best in fully automatic gas heat... at a price far below current outdated heating systems.

TEMCO's outstanding features make for more attractive homes, more flexible homes and more livable homes. The individual units provide for zone heating, permitting the owner to regulate the amount of heat desired in each area.

The wall heater fits into the wall between the standard studding area, upstairs or down, and is ideal for slab foundation homes. The floor furnace fits right into the floor, is perfect for downstairs heat. Either one will save floor space, installation time and costs. They can be used in homes without basements and require no expensive duct work.

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other controls which circulate the heat and guard against fuel failure, overheating and other accidents.

There are many ways to heat a house; but, in their essentials, heating systems are alike in having these three elements:

1. A fuel is burned to create heat.
2. A "vehicle" is employed to carry the heat.
3. A room unit discharges the heat.

There are three fuels used today—gas, oil and coal. All can be delivered to the furnace or boiler automatically, without attendance by the homeowner. Electricity is also in the picture. In most areas, heating an entire home by electricity is not economical; but electrical heaters are particularly useful as auxiliary to the main heating plants in the North, and as basic heaters in southern and western areas where heating needs are not severe.

No one fuel is so far superior to the others that a choice can be directed on the ground of quality. Cost and individual preference should be the main considerations; and as cost varies from one area to another, the answer must be sought by the individual home planner in his own locality.

Relative Costs of Different Fuels

Several years ago one manufacturer did some research to set up comparisons of cost among the various fuels, to help the home planner make a choice. The company's engineers considered the number of heat units delivered by a gallon of oil, a pound of coal, a cubic foot of gas and a kilowatt hour of electricity—each consumed at somewhat different efficiency levels. They decided that if oil sold locally at 10c a gallon, to get the equivalent heat for your money in other fuels you should be able to purchase them for

\$11.50 a ton of coal

70c a thousand cubic feet of natural gas

35c a thousand cubic feet of manufactured gas

0.318c a kilowatt hour of electricity

Basic Types of Heating Systems

We referred earlier to the vehicle used to carry the heat from the point where the fuel is burned to the rooms where heat is required. There are two main vehicles in common use in one-family homes today—air and water. Heating systems are commonly designated as "warm air" or "hot water" and the choice of vehicle determines the over-all character of the heating system.

Here are some of the terms employed in discussing each:

Warm air originates in a *furnace*. It moves to the various rooms by means of *ducts*, and it discharges into the rooms through *registers* or *panels*.

Hot water originates in a *boiler*. It moves to the rooms by means of *pipes*, and it discharges its heat into the rooms by means of *radiators*, *convectors*, *baseboard units* or *coils* of pipe or tubing concealed in a panel.

In the case of the warm-air system, circulation of the heat is forced by means of a *fan* or *blower*; in the case of hot water, circulation is forced by means of a *pump*.

Any *fuel* can be used to produce either warm air or hot water without serious alterations to the basic heating installation. For example, you can install an oil-burning plant, later switch to gas with only a few modifications and at relatively small cost.

But the *vehicle* determines the basic character of the entire installation; and the manner in which the heat is distributed to the rooms is the final determinant of the type of heating plant you have. For example, you could not install a hot-water system and then later switch to warm air—or the other way around—without replacing the entire system. And if you have registers or radiators to distribute your heat in the rooms, you could not convert to panel heating without making substantial changes.

On the following pages some of the major types of warm-air and hot-water systems are discussed.

(continued on page 155)

We planned
for Comfort,
and Got it...



with Thatcher the oldest name in heating!

Unlike most of your home's structure, a heating unit is made up of moving parts, hidden parts, parts subject to intense heat and pressure. They must operate *perfectly, permanently!*

That's why it's so important to look to the future with a dependable Thatcher. Plan to get *real, lasting indoor comfort* with a heating unit that will usher summer into your home for an all winter stay...this year, next year and for many, many years to come.

Thatcher offers you everything you could possibly want in a modern heating unit. Long, trouble-free, economical service. "Even-temperature" comfort. The luxurious con-

venience of carefree, automatic heat. A gentle circulation of filtered-clean and properly humidified warm air for healthful indoor living.

Furthermore, there's a Thatcher to meet every heating need... whatever it may be. Each unit incorporates the latest in design and proven engineering principles...and is backed by the oldest and most reliable name in heating. Over 101 years of solid manufacturing experience assures you of complete satisfaction.

Whether you're building or remodeling, start right from the ground up. Plan for the utmost in indoor comfort and get it... with a Thatcher!



"V" Series
COMFORTMASTER

VALUABLE Free BOOKLET! "YOUR HEATING AND WHAT TO KNOW ABOUT IT!"

No matter whether you are planning to build or modernize—Thatcher's new, colorfully illustrated, informative booklet is a must on your reading list. It asks questions —gives answers you need to know about YOUR heating system in easy-to-understand language. And it's packed with facts and figures that will help you select the right "indoor comfort" for YOUR home. Send for your FREE copy today!

Thatcher Furnace Company
Garwood, New Jersey

Please send me, without obligation, your FREE new illustrated booklet, "Your Heating and What to Know About it."



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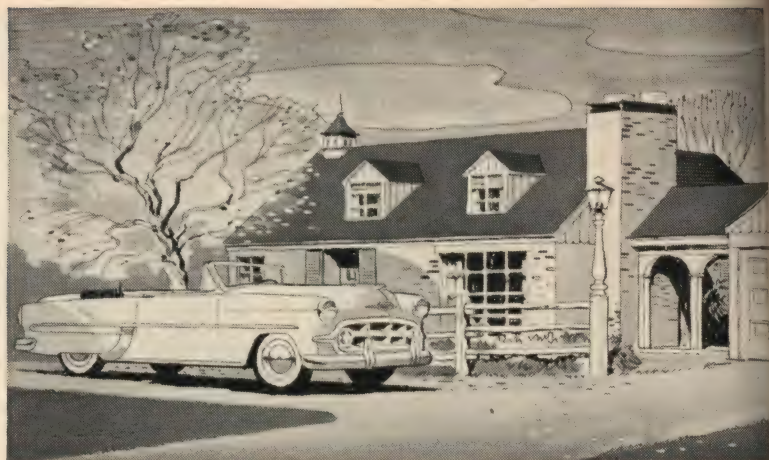
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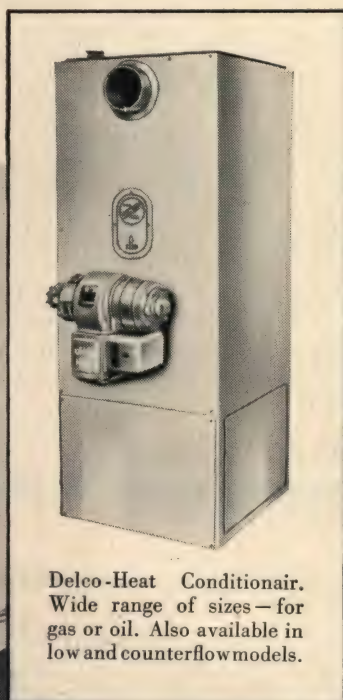
SHG Spring '54

MAIL THIS COUPON TODAY!

**WHETHER YOU'RE
MODERNIZING OR BUILDING
YOU SHOULD KNOW:**



GENERAL MOTORS MAKES DELCO-HEAT



Delco-Heat Conditionair.
Wide range of sizes—for
gas or oil. Also available in
low and counterflow models.

WHAT IT MEANS TO YOU: LOWER COST because Delco-Heat is
General Motors "Assembly Line" built

MORE HEAT FROM FUEL because, like your
car, it's General Motors Precision Engineered

Any Delco-Heat unit will cost you less to own because General Motors vast experience slices dollar-consuming operations from production methods. At the same time, General Motors' engineering means that Delco-Heat units are consistently top quality. Every fuel dollar spent gives you full use of fuel energy and completely automatic trouble-free performance.

Designed to allow easy adaptability to older homes and free planning for new homes, Delco-Heat includes low basement models, vertical models for utility rooms, closets or basements and counterflow models for perimeter systems—gas or oil fired. Equipped with Delco synchronized controls for really automatic comfort.

For further information look for your Delco-Heat Dealer's name in the Yellow Pages of phone book. Or write: Delco Appliance Division Dept. SGH, General Motors Corp., Rochester 1, N.Y. In Canada, Delco-Heat, Toronto 13, Ontario.

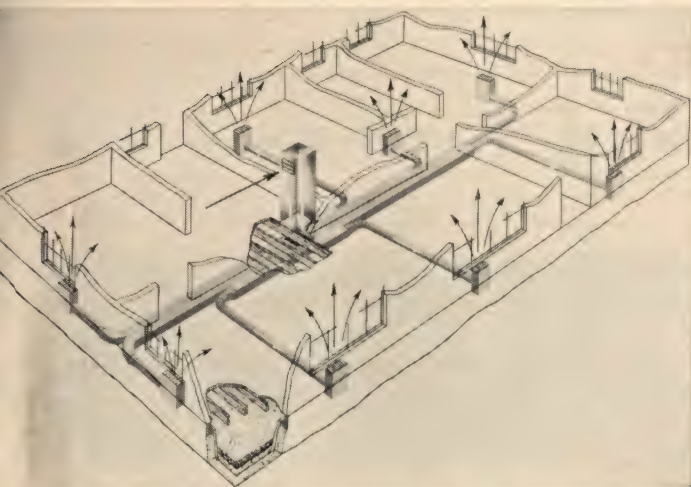


DELCO-HEAT

... a complete line of automatic oil and gas fired conversion burners, Conditionair forced warm air furnaces and heating and cooling units, boilers, water heaters and electric water systems

A PRIMER OF HEATING

(continued from page 152)



This diagram illustrates a typical warm-air perimeter installation in a crawl space. The layout would be similar for a perimeter installation in a home with a basement.

To understand the forced-warm-air system, it is necessary to distinguish it from the gravity-warm-air system. With the latter, cooler room air—which is relatively heavy and flows downward naturally—enters grilled openings in the floors of the rooms, drops through return ducts to the furnace, where it is heated. The warmed air, lighter, then flows upward through large, gently sloping ducts to registers set in the room walls, thence is discharged into the rooms.

In the forced-warm-air system, air circulation is maintained by a fan or blower in the furnace. The air, warmed in a heating chamber in the furnace, is driven through ducts to the rooms—where it is delivered by registers. Return air is drawn through separate ducts back to the furnace, where the cycle is repeated. The forced-warm-air system, unlike the gravity system, responds quickly to temperature changes and delivers heat quickly to the rooms, even those at a distance from the furnace.

It does not require as large a furnace as the gravity system, and the ducts need not be as large, for the fan drives the air through. In a basement the ducts can be installed horizontally at the ceiling level, taking up less space than the “octopus” arms of the gravity system.

Warm-Air Heating Systems Today

The modern approach to warm-air heating has one basic principle—to release warm air under the windows, replacing it *where* it is lost and *as fast as* it is lost.

In a typical slab-floor installation this “perimeter” system uses a down-draft furnace. The fan drives warm air into feeder ducts buried in the slab; these pour the air into the duct system below the floor. Openings for warm air to enter the rooms are provided below the windows. Return-air openings are located at the inner walls of the rooms.

The system operates equally well for crawl-space houses and for houses with basements. Here the ducts are placed beneath or between the floor joists. The crawl-space installation also can be made without ducts—the entire under-floor space (which has to be sealed and insulated) acting as a plenum chamber, feeding warm air directly to the registers in the floors.

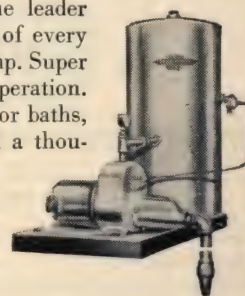
There are two basic ways of running duct lines—by the radial method or by the outer-wall method. With the first method, individual supply ducts are run radially from the furnace plenum chamber to the individual registers in the rooms. With the second method, a single long supply duct is installed below the floor



Delco provides city water service beyond city water mains

AND WATER SYSTEMS, TOO

Delco Water Systems are made by General Motors manufacturing methods that mean top quality at value leader prices. And GM engineering assures you delivery of every gallon of water promised, or more, with every pump. Super simple, super powerful, built for money saving operation. You can depend on more than enough pressure for baths, showers, modern appliances, watering lawns, and a thousand other daily uses. There's a Delco Water System tailor-made for every need. Phone your Delco Dealer today for a FREE SURVEY. You'll find his name in the Yellow Pages of your phone book. Or write Delco Appliance Division, General Motors Corp., Dept. SGW, Rochester 1, N. Y.



DELCO WATER SYSTEMS

Made by the manufacturers of famous Delco-Heat burners, boilers and Conditionairs

More space and comfort...



INVISIBLE Panel Heating
makes every inch of space usable . . .
—with comfort too!

It was a woman who first called it "invisible" heating . . . for flexible living.

With a woman's intuition she saw right to the heart of the matter. Here was the comfort of pleasant, natural, healthful heat *plus* absolutely no *visible* source of heat supply in the living area. No more spending a lifetime with the furniture always in one place! For radiant panel heating imparts that *flexibility* needed for modern living, the assurance of a fresh, redecorated look whenever desired. Simply by shifting the furnishings to new positions . . . because every inch of floor and wall space is unobstructed and *usable*.

No wonder radiant panel heat is increasingly popular. It satisfies a man's mechanical and technical requirements; it delights the homemaker's need for comfort with decorative flexibility.

The best medium of transmission for radiant panel heating is time tested *steel pipe*. For steel pipe has been *proved* in more than 60 years of conventional hot water and steam heating applications. It also has the qualities of economy, durability, weldability and formability required for a successful *invisible* heating system. In fact it is the most widely used pipe in the world!

Write for the free 48 page color booklet, "Radiant Panel Heating with Steel Pipe."

**Steel Pipe
is First Choice**

COMMITTEE ON STEEL PIPE RESEARCH

American Iron and Steel Institute
350 Fifth Ave., New York 1, N. Y.

Committee on Steel Pipe Research
Department SHG
American Iron and Steel Institute
350 Fifth Ave., New York 1, N.Y.

Please send me without cost or obligation a copy of the 48 page booklet "Radiant Panel Heating with Steel Pipe".

Name _____

Address _____

City _____ Zone _____ State _____

Send for
this free
booklet.



around the entire outer wall of the house, and registers are tapped off this duct at the proper points.

It is not always structurally possible to install ducts and registers as described above. Sometimes it is necessary to put them in baseboards, high on the side wall, even in the ceiling. Sometimes it is necessary to install the entire heating plant in an attic because of space limitations. Adjustable-vane diffuser-type registers can make these types of installations more effective.

Forced Hot-Water Systems

The core of forced-hot-water system is the boiler, in which water is heated, then driven by the action of an electric pump through pipes and into the rooms, where the warmth is given off by radiators, convectors or baseboard units. Radiant-panel systems also have become popular; coils of pipe or tubing, embedded in floor, wall or ceiling, create large, evenly radiant surfaces.

There are two basic types of forced-hot-water systems, employing either a single piping circuit or a double one. They are referred to as one-pipe and two-pipe systems.

In the former, the same pipeline that brings the hot water to the rooms carries back the cooled water to the boiler, in a straight-line operation.

In the two-pipe system, hot water is circulated through one pipeline, cold water returns to the boiler through another.

Steam Heating with Individual Room Control

A revolutionary new steam-heating system introduced in recent months features thermostatic control in every room. The system is
(continued on page 252)



Radiant-baseboard installations with hot-water heating systems heat all rooms evenly. Floors are comfortable as a place for children to play. The type shown is a cast-iron baseboard.

This radiant-panel ceiling installation for a hot water system will also insure even distribution of heat throughout the room. In the finished installation, the coils are embedded in the plaster.



Iron Fireman heating

is your best buy with any fuel



for FUEL ECONOMY

Steady, year-after-year fuel saving is a quality you *must* insist on if you buy wisely.



Radiant heat is released above the heat reflecting hearth. Extremely fast heat response.

Fuel economy is mostly a matter of good engineering—an efficient, fast heating flame and quick heat transfer. And by fast heating we mean a furnace that begins to *deliver* heat almost immediately instead of wasting it in long warm up periods. That's what you get with the Iron Fireman *radiant* fire.

for DEPENDABILITY

A few emergency service calls each winter can upset your home and add many extra dollars to your heating costs. Dependability is mighty important, but it's something you don't see at a glance. Iron Fireman provides it by an extra margin of quality throughout—such details as oiled-for-life ball bearings on motors and fans, extra sturdiness of mechanical parts and the finest automatic controls that it is possible to build. Go over Iron Fireman equipment detail by detail, and you'll find it full of the extra values that make your dollars count.

for COMFORT

The same fast heat response that saves fuel dollars also gives you more comfortable heating. The sensitive thermostat is adjusted for "fast cycling" (short on-and-off periods). Quick heat makes this possible without fuel waste. Heat anticipating thermostat senses temperature changes before you do, keeping home temperatures steady and uniform.

Choose any fuel—any type of heating

There is a full range of Iron Fireman heating equipment for any fuel—gas, oil or coal. You can have four different kinds of warm air heating, or five different applications of hot water or steam. Or you can have the marvelous new Iron Fireman SelecTemp system, with continuous modulated heat with an individual thermostat in *every* room. There's nothing like it at any price, yet it costs less than many other systems, and is exceptionally easy to install in new homes or old.



Winter air conditioner in high-boy and low-boy models and wide range of sizes. Warms, cleans, humidifies and circulates the air. Gas or oil fired.



Iron Fireman quick heating boilers are available in many sizes for all types of steam and hot water heating systems. For gas or oil firing.



Iron Fireman SelecTemp system provides continuous modulated heat with *thermostat* in *every* room. Room heating units only 18-inches high.



Iron Fireman Radiant gas burner is the most economical for gas conversion. Same principle as a gas mantle, producing intense, efficient *radiant* heat.



The famous Iron Fireman Vortex oil conversion burner has a *radiant*, whirling bowl-shaped flame with heat reflecting hearth. Noted for fuel saving.



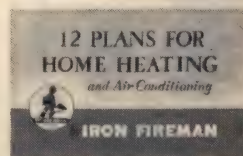
Iron Fireman Coal-Flow stoker feeds coal direct from bin to furnace. No coal shoveling. Fully automatic heat with coal, the most abundant fuel.



Horizontal suspension oil furnace with forced air circulation. Stows away in attic, or crawlway, or hangs overhead in garage, basement or utility room.

Send for this book

It will help you answer these questions about your own home: "What type of heating? What fuel?"



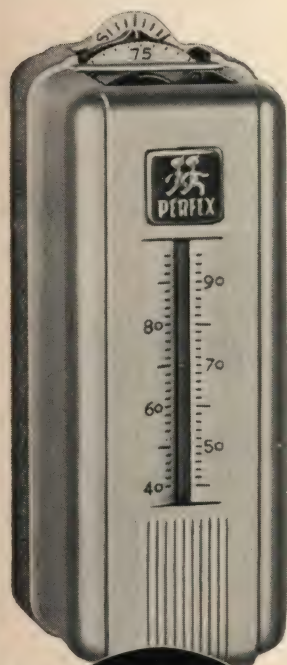
Iron Fireman
Finest in heating OIL • GAS • COAL

IRON FIREMAN MANUFACTURING CO.
3010 West 106th St., Cleveland 11, Ohio.

Please send me free booklet, "Twelve Plans for Home Heating and Air Conditioning."

Name _____
Address _____
City _____ State _____

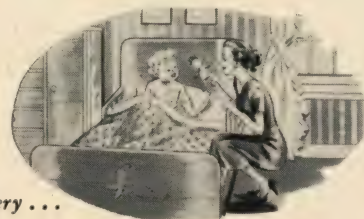
PERFEX *Low Cost* DAY-N-NITE AREA COMFORT CONTROL using the world's finest thermostat



Living Area...



Sleeping Area...

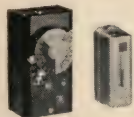


or Nursery...

**24
HOUR**
HEATING
COMFORT

... Exactly where you want it!
... Exactly when you want it!

Now you and your entire family can enjoy personalized automatic heating comfort — all day long in the living area of your home — all night long in the sleeping area or nursery. Thanks to the wonderful Magic Dial Thermostat—the temperature throughout your home is automatically right, day and night. You can modernize your present heating control system — quickly and inexpensively. If you're building a new home, Perfex Day-N-Nite systems provide area comfort control at the lowest possible cost. It will pay you to consult your Perfex heating dealer.



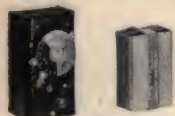
DAY-N-NITE CONVERSION

Leave your present thermostat where it is — install a Perfex Magic Dial thermostat in the sleeping area. Day-N-Nite time switch goes in basement or utility room.



NEW HOME INSTALLATION

For new homes or entirely new installations, install one Perfex Magic Dial thermostat in living area, another in sleeping area or nursery. Time switch placed in basement or utility room.



NIGHT SETBACK • MORNING PICKUP

Perfex Twin Thermostat automatically lowers night temperature for sleeping comfort and restores daytime comfort temperature in the morning. Time switch installed in basement or utility room. Ideal for replacing that obsolete clock thermostat.

PERFEX *Controls for*

HEATING • AIR CONDITIONING • APPLIANCES
EXECUTIVE OFFICES, MILWAUKEE, WISCONSIN • PLANT, IRON MOUNTAIN, MICHIGAN

fundamentals of cooling

With air conditioning and summer cooling taking the country by storm for the past two years, many SHG readers have written to us expressing bewilderment as to what kind of equipment they could best use, how many different types of cooling systems were being manufactured.

To a great extent, the type of equipment that you will use for summer air conditioning in your home will depend on the availability of water supply and the costs of using water in quantity. There are a number of variations in techniques, some designs using large amounts of water, some using small amounts, some using none at all. The basic operating principles of the types of cooling systems, either central or single-room coolers, most frequently found in homes are outlined below.

One of the Simplest Cooling Methods

One of the simplest cooling methods makes use of the evaporative cooler, in which water is the cooling medium, and which uses the same water over and over again. This system works on the principle of replacing very dry, hot air with moderately wet, cool air. For satisfactory results it is imperative that the climate be hot, dry, such as is encountered in Tucson, Arizona, or Santa Fe, New Mexico. Cooling is achieved by the evaporation of the water.

With this type of system, air is blown through an air washer,

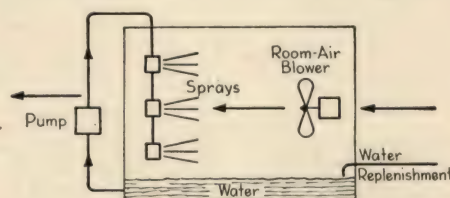


Figure 1. The evaporative cooler.

consisting of a water-spraying device (as shown in Figure 1 above). A certain amount of the water vaporizes as it is sprayed into the air—that is, changes from liquid to a gas. Energy is required to bring about this physical change, and the energy is obtained from the heat in the water. As it gives up its heat energy to manufacture vapor, the water becomes chilled. The air blown through the spray into the room in turn has heat extracted from it by the cooled water, so that the room receives cool air.

Air handled by this type of cooler is all from the outdoors. It must be dry in order to bring about the evaporation of the water. The air that has been blown into the room cannot be recirculated through the cooler, for it is no longer dry once it has passed through the cooler.

Incidentally, the evaporative cooler is the only type among those we are discussing that *adds* moisture to the air in producing its cooling effect. All others *subtract* moisture in what is known as the dehumidification process, a necessary part of the summer cooling procedure in most parts of the country.

A second method of cooling, an even simpler process than the first, makes use of cold water from a deep well or from a cold lake to cool the room air directly. We show Figure 2, a slight modification of Figure 1, for purposes of illustration. Here the sprays bring cold water to the conditioner; air is blown through the sprays to the room. The cold water extracts heat from the air, so that cool air is delivered to the room. Since this type of cooling is used in climates where the air is relatively humid,

(continued on page 160)

Chrysler Airtemp makes Year 'Round Air Conditioning
practical and economical for any home—anywhere!



NOW...



THE AIR THAT MAKES YOU WARM

CAN ALSO KEEP YOU COOL!



Until recently, equipment which provided real refrigerated air conditioning required water—and plenty of it. But, in millions of homes water becomes scarce in summer. In many areas, with or without this problem, water is too expensive to be used in the quantity required for home air conditioning.

Pioneer, over the years, of important "Firsts" which have constantly made residential air conditioning better, Chrysler Airtemp has now licked the water problem. Now a Chrysler Airtemp System introduced last year, already tested and proved in thousands of homes, provides genuine refrigerated air conditioning without the use of a single drop of water. It utilizes the same outside air that makes you warm, to keep you *cool, refreshed and healthier, too.*

No water! No plumbing! No living area floor space!

A Chrysler Airtemp *Air-Cooled* System requires no plumbing, no cooling tower—so costs less to install. And without water, maintenance becomes negligible.

In any of several possible installations, Chrysler Airtemp *Air-Cooled* Air Conditioning can be built into a new home

or added to an existing home—without taking up a single inch of living area floor space!

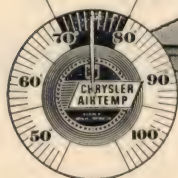
The facts you have just read add up to just one conclusion: Year 'Round Air Conditioning, with genuine refrigerated cooling for summer, is now practical for *any home, anywhere*—within the means of more families than ever before. Undoubtedly *you* can have it right now!

Two ways to obtain Air-Cooled Year 'Round Air Conditioning

If you have a forced air furnace, a Chrysler Airtemp *Air-Cooled* Air Conditioner can easily be teamed with it to give you and your family the many health and comfort blessings of Year 'Round Air Conditioning. In homes with older furnaces and in new construction, a new Chrysler Airtemp Furnace combined with a Chrysler Airtemp *Air-Cooled* Air Conditioner produces the perfectly balanced combination for the best in Year 'Round Air Conditioning.

Call your Chrysler Airtemp Dealer (he's in the Yellow Pages) or return the following coupon for further information . . .

Comfort Zone



CHRYSLER AIRTEMP

HEATING • AIR CONDITIONING
for HOMES, CARS, BUSINESS, INDUSTRY

Airtemp Division, Chrysler Corporation, Dayton 1, Ohio



Airtemp Division, Chrysler Corporation
P.O. Box 1037, Dayton 1, Ohio

SHG-4-54

Please send complete details of your new *Air-Cooled* System which makes Year 'Round Air Conditioning practical and economical for any home—anywhere.

Name _____

Address _____

City _____ Zone _____ State _____

How to put **HEALTH** into your **HEATING**



When you build your new home, *build in* modern healthful heating!

Modern science has discovered *four* things which must be done to home air in winter if it is to be really healthful and comfortable for you and your growing children.

Air must be {1} held steadily at the correct temperature; {2} cleaned; {3} moistened; and {4} circulated evenly to every room, every corner, without drafts.

Both comfort and protection against colds and sinus trouble demand these modern advances. With an Armstrong "Indoor Sunshine" furnace, you get every one of them. And that is complete *winter air conditioning*—completely automatic, too!

In figuring new home costs, remember, Armstrong "Indoor Sunshine" costs no more than ordinary heating . . . less, in fact, than many old-fashioned systems. Saves money on fuel, whether you plan to burn oil, gas, or coal. Installation is easy. Space-saving models for homes of every design. The new Armstrong horizontal shown above, for instance, takes *no* floor space. It can be installed almost anywhere from basement to attic. Ideal for new houses; wipes out the furnace-clutter which marks so many basements.

Your nearby Armstrong dealer will be glad to give you all the facts without obligation. Or write us {Dept. G-1} for the free booklet "The Miracle of Winter Air Conditioning."

Let Armstrong Air Condition Your Home
for Summer Comfort, too!



Now you can have foolproof summer air conditioning—with an Armstrong "Companion Unit." Efficient, economical, healthful...and unconditionally guaranteed for five years. Easily installed with your Armstrong furnace, now or later.



ARMSTRONG FURNACE COMPANY

COLUMBUS, OHIO

DES MOINES, IOWA

FUNDAMENTALS OF COOLING

(continued from page 158)

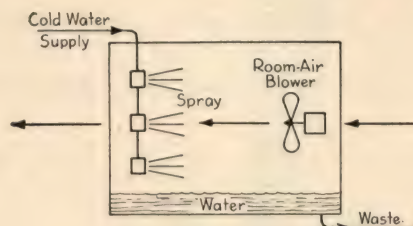


Figure 2. Cold-water spray cooling.

there is no evaporative cooling effect; moisture would not be absorbed from the water sprays in vapor form, since the air is already moisture-laden.

Figure 3 actually shows how this type of cooling is usually accomplished—the cooling water from well or lake is run through

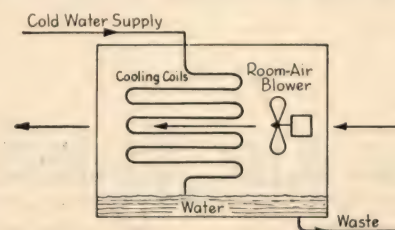
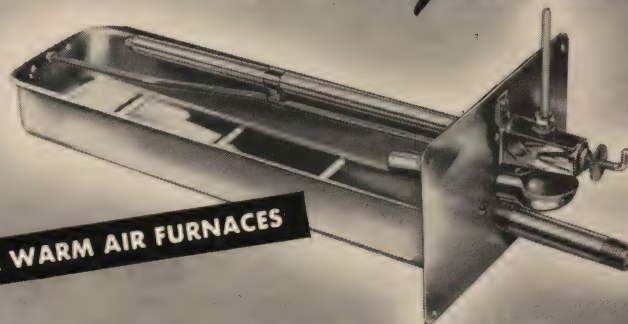


Figure 3. Cold-water coil cooling.

a finned copper coil (which looks much like an automobile radiator), and the room air is blown over the coil.

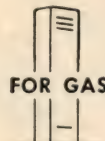
Since the coil is cold, the room air becomes cooled; at the same time part of the room moisture condenses on the coil—same effect as when you breathe on a cold window pane. The latter process is called dehumidification, and in many parts of the country this contributes more to the general effect of summer comfort than does the actual cooling of the air.

Stops Dry Air Damage *... in your home*



FOR WARM AIR FURNACES

VAPORITE AUTOMATIC DRIP HUMIDIFIER



Balances humidity with temperature throughout *entire* heating season. Automatic. Takes danger from hot blasting furnace air with *soothing, healthful moisture*. Cut down colds. Keep *right moisture* in room. Water drips *automatically* in hot pan. Produces almost *instant vapor*. No old fashioned stagnant pool of water. Completely assembled. Low cost. Write.

AUTOMATIC HUMIDIFIER CO., 18th St., Cedar Falls, Iowa

Essential for the success of this system is a plentiful supply of water, for there is nothing to do with the water after it has done its job but get rid of it—water the lawn, fill a swimming pool, or simply run the waste to a sewer. Also, the water must be cold (55F or less) for the entire air-conditioning season, and it must not be corrosive. Corrosive water means greater maintenance.

Where we do not have hot, dry summers, and where the available water is corrosive, or limited, we depend on what is called direct-expansion cooling. This system operates on exactly the same principle as your household refrigerator. For explanation we show here a simplified diagram of the standard refrigeration system—Figure 4.

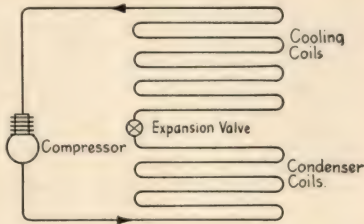


Figure 4. Household refrigerator cycle.

The secret of the expansion-type refrigeration system is the refrigerant, a substance that is a gas at ordinary room pressures and temperatures, but which can be easily compressed to a liquid at room temperatures. Following the diagram shown in Figure 4—the entire system (coils and compressor) is filled with refrigerant at different physical stages. The refrigerant is a gas as it enters the compressor. The compressor condenses the refrigerant to a liquid in the condenser coils.

Converting from gas to liquid (the reverse of evaporation, which is conversion from liquid to gas) brings a reversal of the movement of heat energy. You will recall from the description of the evaporation process that heat was extracted from the liquid to furnish energy to make evaporation possible, thus causing the

(continued on page 266)

Looking for a "real buy" in water systems? Then check up on the new Deming "MINIJET." Its low price will surprise you when you know its features! For example, vital parts of the pump are all-brass and rust-proof. Pump shaft is stainless steel to resist wear and corrosion. Those and other top-quality features make the Deming "MINIJET" the best buy yet! Plenty of water, too! Up to 520 gallons per hour in shallow well service. Up to 660 gallons per hour in deep well service.

See Your Nearest Deming Dealer

If you don't know his location, write us. Ask for the FREE illustrated guide "Running Water."

THE DEMING COMPANY
700 BROADWAY • SALEM, OHIO

DEMING
WATER SYSTEMS



You're looking at a **REVOLUTION**

In the early 1940's Burnham Corporation engineers took on a tough assignment... a job YOU, the American homeowner, handed them. In effect, you said: "Give us all the benefits of radiant hot water heating *without* big, conspicuous radiators, convectors and warm air registers that clutter up our rooms, robbing us of flexibility in furniture arrangements!" Above you see Burnham's answer to your request—BASE-RAY® RADIANT BASEBOARD—an idea that revolutionized the heating industry.

From the first, BASE-RAY RADIANT BASEBOARD met with an overwhelming and heart-warming reception from homeowners. Here, at last, was radiant hot water heating that actually fitted in and complemented room decorative arrangements. People were quick to grasp the advantages of BASE-RAY's low, sweeping lines . . . only 7" high, 2" deep . . . its ability to blend with endless decorative schemes . . . its rugged cast-iron construction that delivered "The Magic of Hot Water Heating" at its best.

Now, almost ten years later, many thousands of installations have proven the desirability of BASE-RAY RADIANT BASEBOARD heating. Every month new thousands of homeowners join those who already know the joys of hot water heating as delivered by BASE-RAY. Competitors have followed Burnham's lead—the sincerest form of flattery. But there is still only one BURNHAM BASE-RAY RADIANT BASEBOARD . . . the pioneer in radiant baseboard heating.

It will pay YOU to find out about BASE-RAY. For full information send coupon today.

*Reg. U. S. Pat. Off.

FIRST IN THE MANUFACTURE OF BASEBOARD HEATING

Burnham Corporation

BOILER DIVISION

IRVINGTON, NEW YORK



Burnham Corporation
Irvington, New York

SMG-44

Please send new 6-page folder telling how BASE-RAY RADIANT BASEBOARDS can add beauty and comfort to my home.

Name

Address

City.....State.....

THE Heat and Hot Water YOUR HOME DESERVES
THE Low Fuel Bills YOUR BUDGET DESERVES

WITH

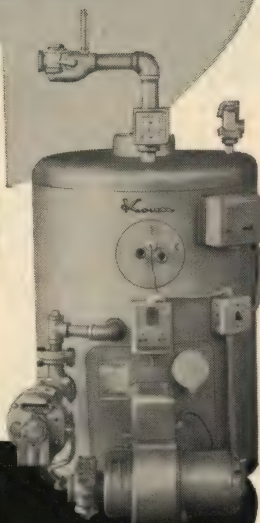
Koven
quality products

venko

gas or oil-fired PACKAGED UNIT

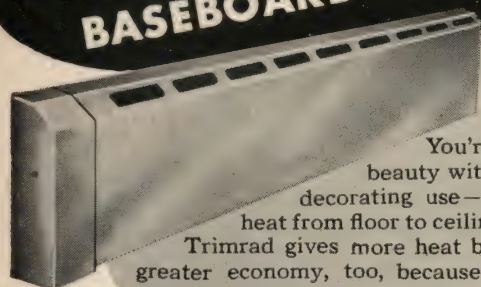
Budget-wise VENKO gives the modern home abundant heat and hot water—low fuel bills—space-saving good looks—and it arrives completely wired and assembled, all ready to operate!

- saves space
- saves fuel bills
- gives plentiful heat and hot water



TRIMRAD
Koven
BASEBOARD RADIATORS

quickly installed



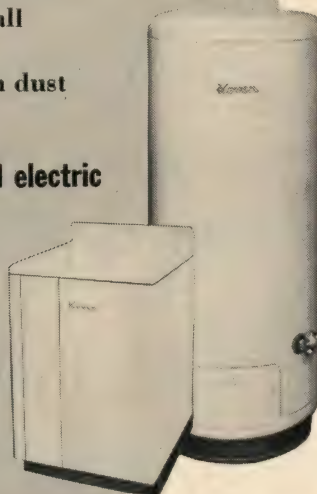
You're assured not only modern beauty with all floor space freed for decorating use—but also uniformity of heat from floor to ceiling because KOVEN Trimrad gives more heat by radiation—and greater economy, too, because it stores heat longer!

- sturdy welded steel construction
- practically flush with the wall
- no drafts or cold pockets
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GUIDE

HOW-TO-DO-IT

Perimeter Heating

Perimeter heating—systems in which warm-air outlets are spaced along the outside walls of a home—is one of the most efficient methods of heating a home. The use of new 4-inch pipe has made the installation of such systems in slab-floor homes simple and fast. One typical perimeter installation is shown in the photographs on these two pages. (To see how the small pipe can be used for baseboard registers with a basement heating plant, turn the page.)



Installation of the heating system can begin when foundations and several courses of all exterior walls are in place.

The slab area is covered with 8 inches of coarse aggregate over sand. Register boxes are nailed into place against foundation.



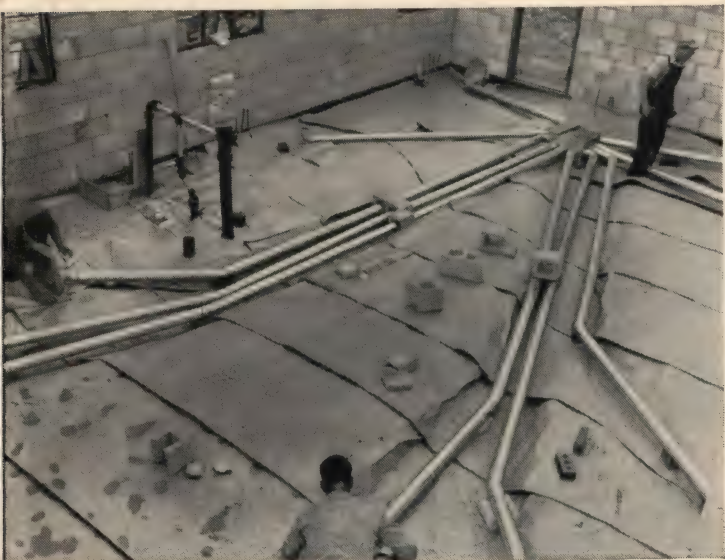
Plenum is staked in place with its openings located to allow a 2-inch rise to the register boxes.

Next step is to lay out all the ducts, complete with the necessary fittings. Then the ducts are removed, and the fill is trenched sufficiently to let 4 inches of concrete surround the heat runs.





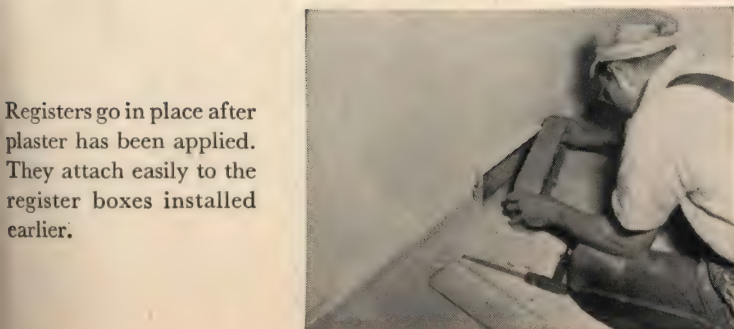
Here the workman is demonstrating how ducts may be anchored in the trenches with sections of regular concrete block.



A vapor barrier is laid over the fill and the pipes are replaced and anchored in their trenches, ready for first phase of pouring the concrete slab.



The first pour hardens quickly to form a shell around the heating pipes and protect them during the final operation of pouring entire slab.



Registers go in place after plaster has been applied. They attach easily to the register boxes installed earlier.

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Baseboard Register

Many heating dealers and contractors are using the new 4-inch pipe systems in combination with baseboard warm-air registers. The installation is exceptionally simple and speedy. The photographs below show a workman installing one typical baseboard register. There are several of this type available.



The installer points out how the opening is made in the floor, flush with the wall surface. He holds a typical prefabricated boot with a 2x13-inch opening.

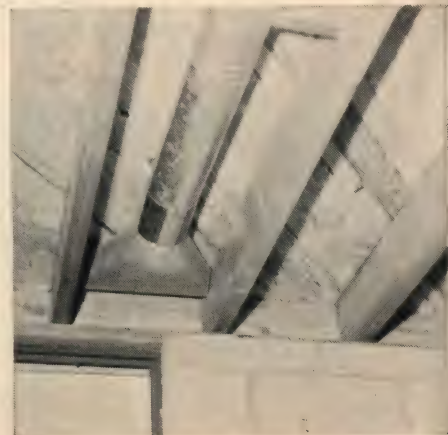


The back section of the baseboard register goes quickly into place. It has been cut so that a flange extends down into the outlet opening in the floor.



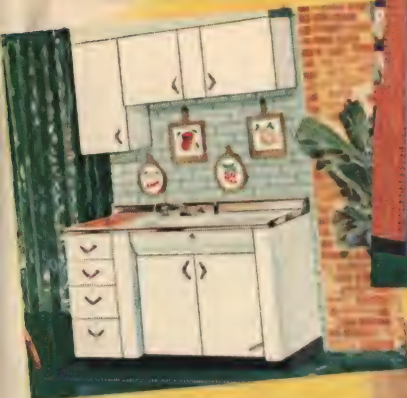
Here the installation is nearly complete as the front section of the register goes into place. The back edge of the outlet may be plastered or calked in along the top and the installation finished with molding.

This photo shows how neatly the small pipes of this type of heating system fit up between joists, allowing basements to be used as livable space.



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Beauty in an L-shape kitchen! Includes cutlery base cabinet, 36" Diana ensemble sink and rotary corner base and wall cabinets.



Beautiful, compact, efficient. A 42" Diana ensemble sink combined with other units for plenty of work surface, storage space.



A compact kitchen in 72". Includes 24-inch Diana ensemble sink, cutlery base cabinet, tray cabinet, base cabinet.

Storage space, work surfaces aplenty. 42" Diana ensemble sink flanked by 4-drawer base cabinet, tray cabinet, base cabinet.

Cabinets of steel for lasting appeal.



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Here's real beauty! Start with 36" Diana ensemble sink; add 27" Jet-Tower Dishwasher plus other special storage units.

For name of your nearest dealer, consult the yellow pages of your telephone directory under "Kitchen Equipment—Household," or "Kitchen Cabinets," or call Western Union, Operator 25.



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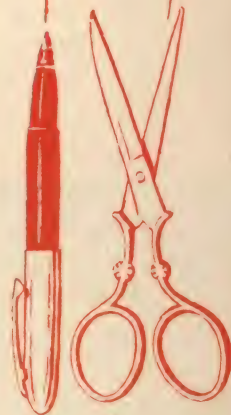
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Frosting for the Cake

working parts of today's kitchen are efficient; it's up to you to top them off with proper decorating



The Gay Nineties, up to date, is the theme around which this kitchen was planned. The combination of colors—terra-cotta cabinets, mustard wall-paper and emerald-green chair pad—is dramatic, cheerful. Note how dinette set and wallpaper design carry out theme. (See Color Recipe No. 1)

A kitchen, like a cake, needs frosting.

Color, texture and design are the frosting ingredients that give the room finish and make it an enjoyable place in which to work.

Planners and designers have worked out satisfactory equipment arrangements for greatest step and work-saving efficiency. Manufacturers have seen to it that the basic ingredients—sinks, ranges, refrigerators, cabinets, floor and countertop coverings, fans, lights—are top notch in performance.

They have gone a step farther, too, by providing an attractive array of colors and designs from which you may choose when you



Varying shades of a single color, small amounts of accent colors and a neutral tone are employed to create a pleasant effect. Here, sky-blue cabinets and dusk-blue wall area and upholstery provide the dominant color; gray is the neutral tone; accent shades are picked up from the fruit-and-butterfly wallpaper. (See Color Recipe No. 2)



Thoroughly contemporary in style, this kitchen is especially designed for heart patients, thus colors are restful and soothing. Over-all tone is soft gray, accents are black. Coral and lime green add light and color to the room. Window shade and light fixture are handsome, practical. (See Color Recipe No. 3)



(Color recipes are listed on the following pages)

Ever-popular white equipment and cabinets offer possibilities for frequent color changes in kitchen curtains, accessories, wall-paper. White, coral, gray and green tones give this room a fresh, sparkling appearance. Wrought-iron columns serve as a divider, add a romantic touch. (See Color Recipe No. 4)



Subtle use of color often works to advantage, as evidenced by this room. Natural-finish wood cabinets, pale gray walls, floor covering, are neutral. Pink chintz curtains and chair upholstery, and the attractive planter provide the necessary spice. The kitchen was designed by SHG Architect Arnold Schaffner. (See Color Recipe No. 5)



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plan your kitchen decorating scheme. And it isn't too early to start planning while your home is in the blueprint stage.

Whether the kitchen of your house design has a U-shaped, L-shaped, corridor or straight-line arrangement; whether it's minimum size or big enough to include a family-gathering area; whether it boasts every piece of labor-saving equipment or has merely the essentials, color can make it a more attractive room, a better place in which to work.

Each kitchen shown on the preceding pages is different from every other one, yet all have one thing in common—color. In some of the rooms it is bright, vibrant; in others, it is subdued. In some, color is used lavishly; in others it is employed merely as an accent.

Perhaps one of these kitchens is exactly the type you want for your home. Or perhaps you would like to use only some of the ideas shown, substituting others with ideas of your own.

Here, then, are the color recipes that were used.

COLOR RECIPE NO. 1

Terra cotta base and wall cabinets, planning desk, knickknack shelves.

Mustard yellow plain painted wall above sink.

Emerald green countertop separating kitchen from living area, dinette chair upholstery.

White plain painted wall area between base and wall cabinets and behind planning desk, range, sink, refrigerator and curtains. Mustard yellow, terra cotta, black and white wallpaper, featuring pocket-watch design.

Off-white ceiling.

Light cream, terra cotta, green, black and yellow vinyl tile for countertops.

Black marbled linoleum floor, wrought-iron dinette furniture and magazine holder.

The wallpaper, a clever, old-fashioned pocket-watch design, was the inspiration for this room recipe. The mustard-yellow background of the paper is carried to other walls in the area with specially mixed paint. Terra cotta, another tone picked up from the paper, was selected for the enameled steel cabinets. Emerald green, a cool color, contrasts effectively with the two warm major colors of the kitchen, as do the white wall areas, curtains and equipment.

Such a vivid scheme is usually best confined to a fairly small kitchen; in a large room the over-all scheme might tend to look "wild" rather than pleasantly bright.

Gay Nineties theme of the room is carried out through the use of wrought-iron dinette furniture, its design reminiscent of ice-cream parlor décor; and through accessories—a brass candlestick, a round clock.

COLOR RECIPE NO. 2

Sky blue base and wall cabinets.

Red, blue, green, yellow and white wallpaper, featuring fruit-and-butterfly design.

Off-white ceiling and wall area between base and wall cabinets.

Gray plastic tile countertops and floor, speckled effect.

Dusk blue wall area between wall cabinets, stool upholstery.

Red, pink and blue accessories—dishes, towels, hot pads.

Lots of light blue—almost anyone's favorite color—a dash or two of dusk blue, several pinches of red, yellow and green and some gray; the result—a cool-looking kitchen, delightfully feminine in flavor, one that combines an appearance of crisp efficiency with an air of gaiety.

Wallpaper in a charming print design and pebble-effect countertops and floor covering introduce pattern to the room, a

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necessary addition where there are large areas of similarly colored plain materials.

This is an especially good color plan for a kitchen that has a warm exposure, one in which windows face south, southwest, west or south and west. The cool blues and grays offset the sunshine that enters both summer and winter.

COLOR RECIPE NO. 3

Gray birch cabinets, woodwork and window shade.

Gray and black floor.

Black table, chairs, wastebasket.

Lime green countertops and dishes.

Coral cupboard linings, window seat.

Gray and silver, smoke gray accessories—place mats, glassware.

Gray, white and chartreuse wallpaper.

A bland plan, depending here on black, white and gray for the basic ingredients, is restful, soothing, should be spiked with just the right amount of interesting color as this one is. Far from glaring, the kitchen is at the same time cheerful. Housewives, who for one reason or another are happiest amid subtle coloring and surroundings that are not overstimulating, would do well to select this type of color plan—one composed of varying shades of a neutral tone, brightened by small doses of contrasting colors.

COLOR RECIPE NO. 4

White enameled steel base and wall cabinets, planter grillwork.

Coral countertops, dining table top, chair upholstery and hassock.

Green, gray and white wallpaper, trellis and ivy design.

Green café curtains.

Gray floor, striped effect.

A well-balanced kitchen decorating scheme, this. Green and coral, one a cool color, the other warm, create a balanced effect against the white cabinets and equipment. Such a color plan is especially good for a kitchen in which windows face northwest, southeast, north and west or south and east. Combination of patterned wallpaper and plain-colored surfaces provides further balance. Attractive white-columned room divider serves as a focal point, an addition necessary to avoid a monotonous look. Columns tie in nicely, too, with the trellis design of the wallpaper. Room gives the impression of sparkling freshness.

COLOR RECIPE NO. 5

Light brown base and wall cabinets (natural-finish wood) and planter base.

Blue-gray wall tile.

Gray vinyl floor covering.

Pink chintz café curtains and dinette set upholstery.

Black wrought-iron dinette set and planter top.

Pink and black wallpaper (for upper walls and ceiling in dinette area).

Gray stone (for lower walls in dinette area).

Make mine pink! That's the cry of many new homeowners when it comes to talking decorating schemes—and what color could be better for "frosting" the kitchen? This recipe, developed by Decorator Emmanuel Finegold of Chicago, calls for small pinches of pink—café curtains, chair upholstery, wallpaper background in the dinette area. The color blends well with the mellow brown tones of the wood cabinets, adds zest to the neutral wall and floor coverings.

Should you need help in selecting the "frosting" for your kitchen, consult the home planning department of your local gas or electric company, or the kitchen planning department of one of your local stores, or write for manufacturer's booklets.



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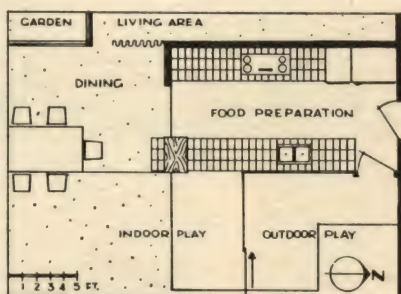


Design for kitchen-dining-play area by Richard Neutra, F. A. I. A.

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plan for
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World-famous architect Neutra used all of the virtues of clay tile in his design for a kitchen-dining-play area. The playroom and patio floors flow naturally from the ingenious "stepsaver" kitchen. Cheerful tile work surfaces invite food preparation. The rear wall wainscoting presents a glistening, easily-cleaned surface that defies cooking soil and smudge. What other material gives such beauty and service for a lifetime? Clay tile mixes gracefully and efficiently in almost any area in your home. Put it to work in your remodeling plans or your new home. See your tile contractor for clay tile colors and finishes.

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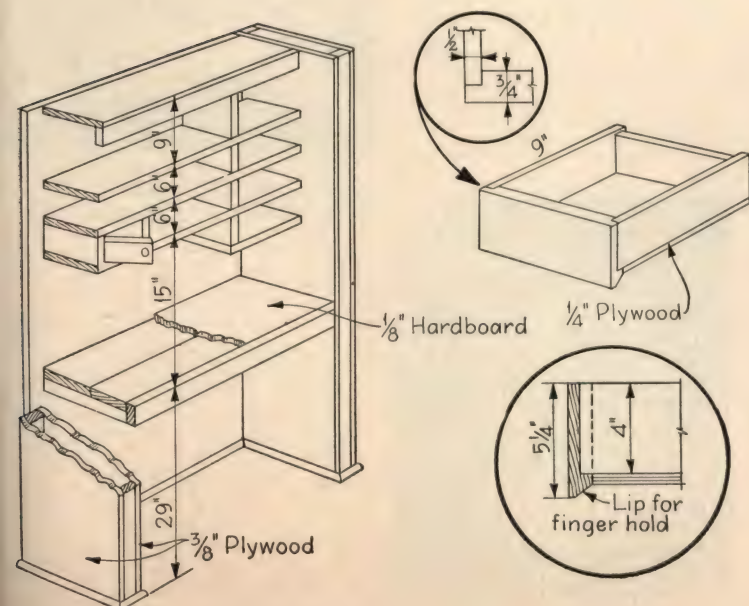
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Kitchen Office

Today's housewife is, in every respect, "manager of the home." She normally pays the bills, files important papers and correspondence. What, then, could be more helpful than a compact office right where she does her other work—in the kitchen? The photo and drawings show one easy-to-build kitchen office.



Materials used in the project are plywood, stock $\frac{3}{4}$ -inch lumber and hardboard for the desk top. Dimensions may be varied to suit individual needs (such as large books or files). The details below should be adequate as plans from which to build an efficient office corner in your own home.

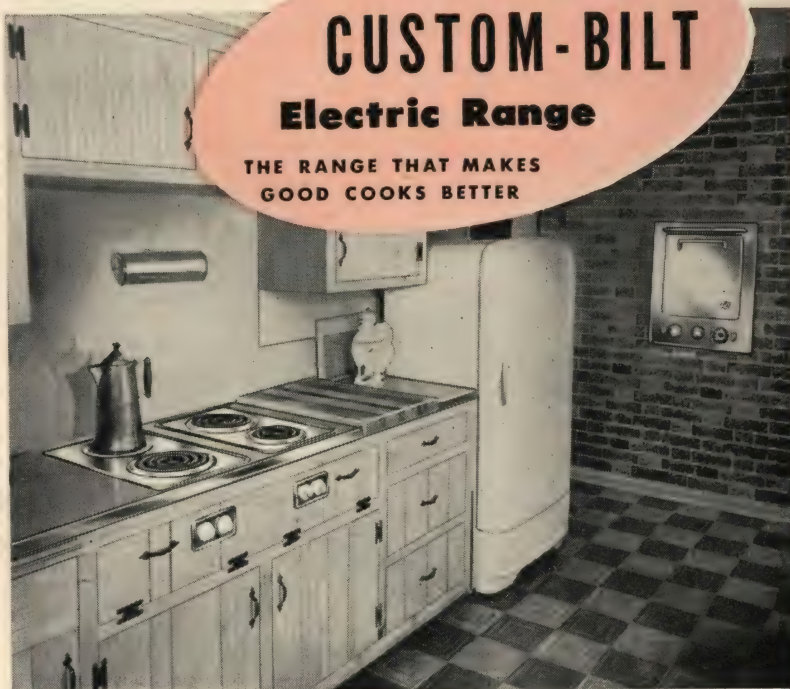


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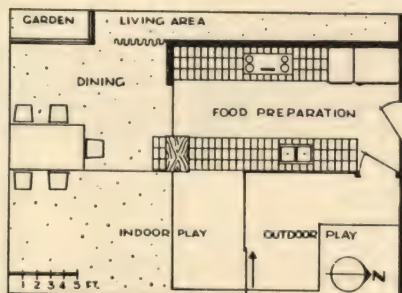


Design for kitchen-dining-play area by Richard Neutra, F.

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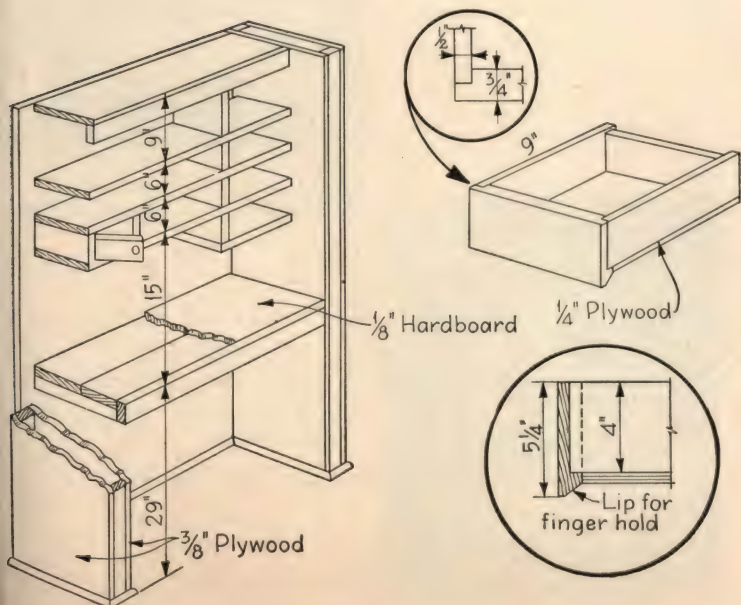
tile

Kitchen Office

Today's housewife is, in every respect, "manager of the home." She normally pays the bills, files important papers and correspondence. What, then, could be more helpful than a compact office right where she does her other work—in the kitchen? The photo and drawings show one easy-to-build kitchen office.



Materials used in the project are plywood, stock $\frac{3}{4}$ -inch lumber and hardboard for the desk top. Dimensions may be varied to suit individual needs (such as large books or files). The details below should be adequate as plans from which to build an efficient office corner in your own home.

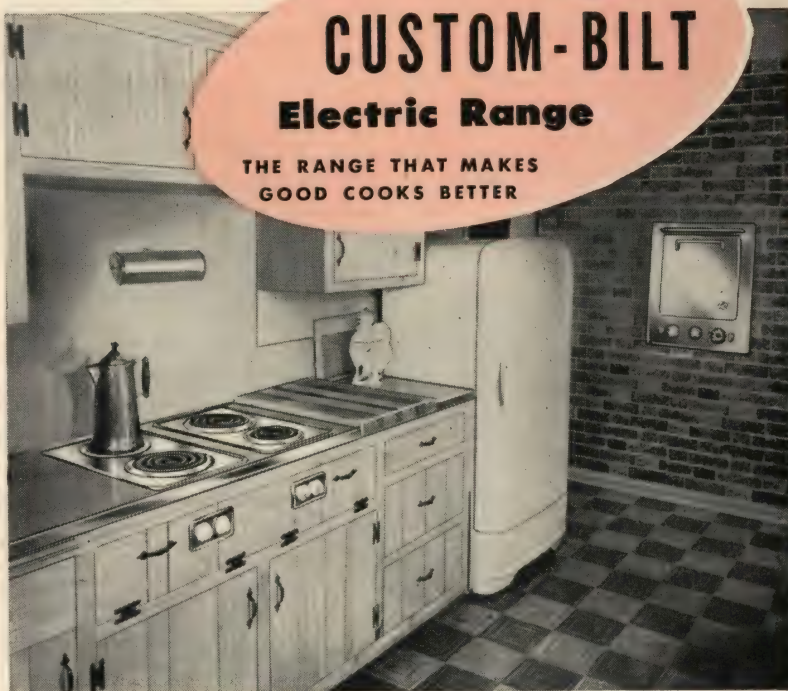


Secret of a truly **MODERN** kitchen!



CUSTOM-BILT **Electric Range**

THE RANGE THAT MAKES
GOOD COOKS BETTER



Built-in beauty and convenience . . . **At a price you can afford**

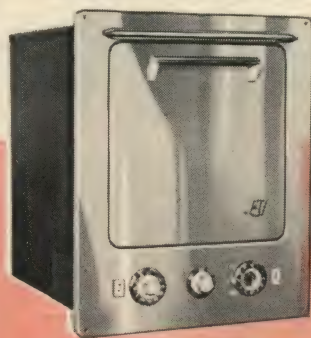
Here is the answer to today's trend in custom-built kitchens . . . versatile, self-contained L&H oven and surface-units. Oven front and unit surfaces are gleaming stainless-steel — go beautifully with any decorating scheme. Every automatic feature. Easily installed. Save floor space . . . add new streamlined beauty.

Plan your own kitchen arrangement

Be your own decorator! Let your imagination go . . . plan your kitchen to suit yourself! Place your oven where you want it . . . at the height you prefer. Install surface cooking-units where you want them. Enjoy a truly modern kitchen with the most versatile of all cooking equipment. See your L&H dealer or write for illustrated folder.



Fully automatic wall-oven with infra-red broiler. One-piece construction. Fiberglas insulation.



Surface units are available in a variety of combinations including a griddle and deep well cooker, as well as a separate warming drawer for many uses.



A. J. Lindemann & Hoverson Co.
Milwaukee 15, Wisconsin

THE FINEST IN HOME APPLIANCES SINCE 1875



Years ahead!

Tomorrow's home comfort
now yours today . . . "the year around"



5-year warranty
included

Mueller Climatrol

COMPANION UNITS

GIVE YOU A NEW, EASY WAY TO ENJOY
BOTH HEATING AND COOLING IN YOUR HOME

Now it's as practical to *cool* your home as it is to *heat* it. These Mueller Climatrol companion units make it possible — within your budget.

You heat and humidify your home in Winter; cool and dehumidify it in Summer; filter out pollen and dust to keep the air in your home clean and fresh at all times.

The Mueller Climatrol companion units are the last word in home comfort. They have new, attractive styling; new, handsome Mountain Spring Green finish; and new engineering to give you more value for your dollar.

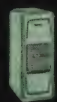
Get the whole story. Let us mail you our new colorful literature. Use the convenient coupon below.

Heating and cooling sized right
for your home and your climate

Install both Mueller Climatrol heating and cooling companion units at once and enjoy perfect indoor comfort — all year around.



Or — install just the Mueller Climatrol Winter Air Conditioner unit and enjoy the best in fuel-thrifty, automatic heating.



Then anytime later — add the Mueller Climatrol Summer Air Conditioner unit for automatic cooling with a minimum of expense.



MUELLER CLIMATROL

2015 W. Oklahoma Ave., Milwaukee 15, Wisconsin

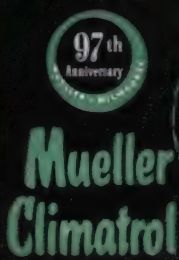
Send me further information on
the new Mueller Climatrol companion units.

Name.....

Address.....

City..... (.....) State.....

0-50



Cabinet Conveniences

"A place for everything and everything . . ."—you know the rest, and today cabinet manufacturers are making this old saying become a reality in your kitchen. Regardless of whether you prefer steel or wood cabinets, you can choose those with features especially designed for certain uses. Here are just a few examples of the many special cabinets available.



This undersink cabinet includes a towel-rack attachment, handy for keeping dish towels and cloths out of sight when they're not being used.



A laminated maple cutting board, fitted to rest on the inside rim of a flatware drawer, is available to fit a 15 or 18-in. drawer.



If you've ever dug into a sack of potatoes, trying to find several of similar size, you'll appreciate the convenience offered by vegetable baskets such as these.



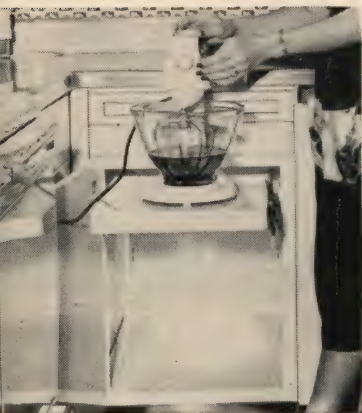
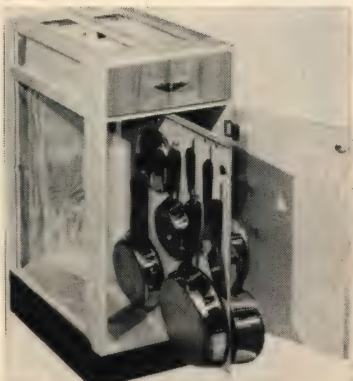
Divided drawers for flatware and kitchen tools eliminate the bother of searching for things, help keep a kitchen neat.

ircular shelves that revolve
smoothly and easily make good use
of what would otherwise be
wasted corner space. Shelves are
wide enough to hold sizable
appliances.



Pull-out shelf built into a
base cabinet provides addi-
tional counter space or
a spot for quick snacks; is
particularly suitable for a
minimum-sized kitchen.

away photo of this base cabinet
shows how perforated hardboard
divider, on which pans are hung,
slides on a track to permit easy
loading or unloading.

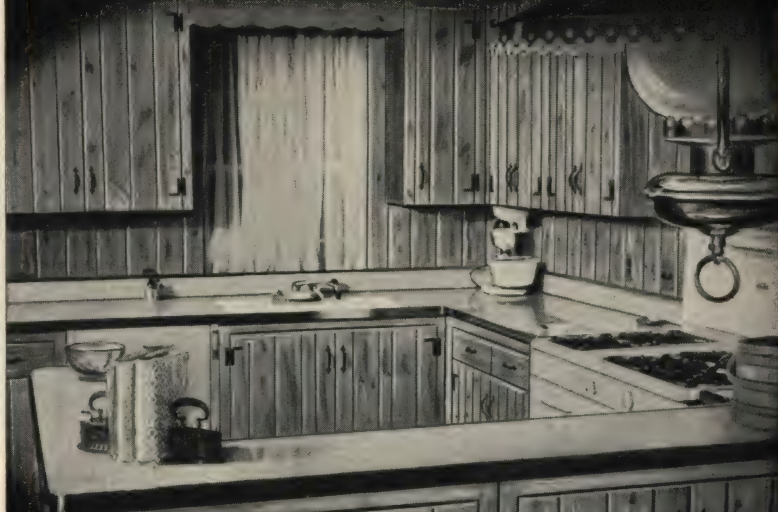


Shelf designed to hold electric
mixer slides down and into
cabinet when not in use.

is big enough to hold a large
quantity of "storables"—apples, pota-
toes—in the kitchen. Or, if yours is a
kitchen-laundry combination, bin
may be used to hold unironed clothes.



For those who demand the finest...

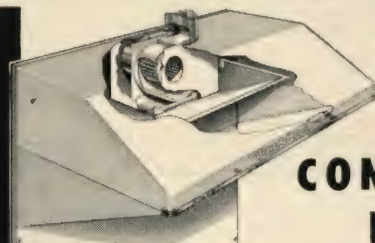


Custom Kitchens by **WOOD-METAL**®

For a kitchen that's *personally*
yours, see Wood-Metal's unequalled
variety of colors and natural
woods in Colonial and
Contemporary designs at your
Wood-Metal kitchen specialist's

For your copy of our new full color Kitchen Guide Book, write your name
and address in the margin and mail with 25c to us at Dept. 191 Kreamer,
Snyder County, Pennsylvania.

There's **MORE** to
COOKING
VENTILATION
Than Just
Moving Air!



CONTROL
IT!

STOP Destructive Cooking **GREASE,**
HEAT and **STEAM** at the **STOVE!**

Vent-A-Hood
KEEPS THEM FROM SPREADING!

Make a simple bacon frying test on your stove. With
no hood, wall or ceiling fan, your walls and ceiling
will have to be your hood... your doors and win-
dows your vents. In seconds your kitchen is hotter
and visible grease vapors cloud the room. Bacon is
detected in every room and this vapor-odor becomes
a rancid film on woodwork, walls and furnishings.

Now imagine a half hood (not covering the skillet)
with this hot, buoyant grease racing past it. Imagine a
wall fan attempting to deflect this rapidly rising hot
vapor! A ceiling fan gets the real challenge because
when greasy cooking vapor has risen that high it has
saturated the room air... filling the entire room.

How clearly is seen the need for a *full covering* Vent-
A-Hood to **TRAP** and **CONSUME** cooking heat,
grease and steam before they spread. Vent-A-Hood
removes 300 cu. ft. of *hood-trapped* hot, greasy
vapors every cooking minute. It is providing positive,
CONTROLLED ventilation in over 325,000 homes.
Vent-A-Hood will *thoroughly* protect your home from
cooking grease... its worst enemy.

WRITE FOR COMPLETE DETAILS TODAY

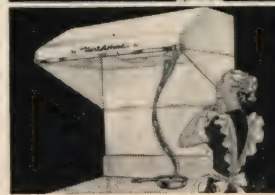
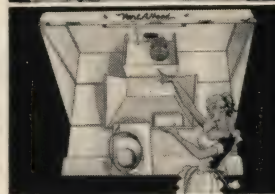
Tell me more about this thoroughly engineered
domestic cooking heat, grease and steam confinement
and removal.

Name _____
Address _____
City _____ State _____

Vent-A-Hood

1904 PLANTATION ROAD DALLAS, TEXAS

HOME COOKING VENTILATION SPECIALISTS





“What we need is a good 3-bedroom home in the suburbs—How about you?”



Is your present home too small for your family?

Or are you paying out your hard earned money year after year in the form of rent with nothing to show for it?

Isn't it time for you to think about moving into the suburbs, into a home of your very own, where the kids will have plenty of sunshine and fresh air and where you'll all have room to spread out and enjoy life?

America is moving out into the suburbs. And it's not as hard as you may think for your family to join this swing. But before you make your next move we hope you'll take a few moments to study the many advantages of owning one of the 14 fine two, three and four bedroom homes manufactured by Modern Homes Corporation, and erected in your community by a dependable local builder.

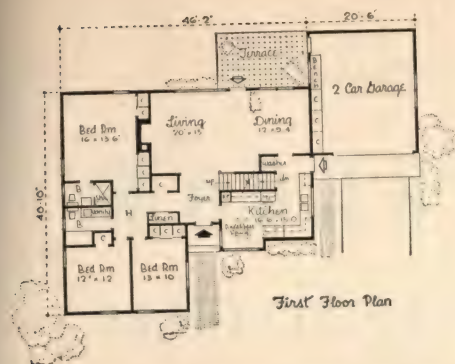
Two advantages of owning a MODERN HOME stand out above all others; 1 The advantage of owning a truly well-planned and convenient home, designed by an experienced architect. 2 The advantage of being able to buy a really high quality, conventionally constructed home at a price substantially lower, even as much as 20% lower, than comparable custom built homes.

That's the story in a nutshell—a better home, in fact a much better home than you ever imagined possible, at a price that will amaze you.

Ask your local builder for information about MODERN HOMES.



Dearborn, Michigan and Port Jervis, New York



Here is first-floor plan as it originally appeared in SHG. Second floor has two big bedrooms, full bathroom and liberal storage facilities.



Exterior view presents a trim, modern appearance. Shingle siding has a deep shadow line; painted brick and clapboard siding provide pleasing accents.



Divider-planter near terrace door in living room was omitted, a desk substituted in this case. Bamboo-pattern hall paper is in shades of red.

SHG House

Chosen by Builders

THIS HOUSE, planned by Designer Edward R. Tyler, originally appeared in the 30th Edition of SMALL HOMES GUIDE. The building firm of Watkins and Richter, Inc., used the design in a large residential development on Long Island, New York, and it proved to be one of their most popular homes. The house has 1,620 sq. ft. on the first floor, 836 on the second. Plan (No. 1245A) is still available from Mr. Tyler, whose address is listed on page 85.



An attractive planter was added by the builders at end of the vanity-lavatory counter in main first-floor bath. Wallpaper has black background.

Nook (not indicated in plan) was built in at the end of the spacious kitchen. The room is large enough to include a dishwasher. Cabinets are natural wood with black Colonial hardware. Ceiling paper is green, red and chartreuse.



...YOU CAN INSTALL

No tile of any kind can bring more enduring beauty to your bathroom, kitchen, or any room in your house than Vikon! Vikon Metal Tiles come in 26 fade-resistant colors . . . will not warp, chip, or craze . . . resist heat and chemicals . . . are easy to clean and keep clean. Continuing research has made Vikon the finest tile you can buy!

and THE MOST ECONOMICAL TILE



YOU CAN INSTALL

Whether you install Vikon yourself or have a professional do it, the job is simple . . . quick . . . and extremely economical. You *save* — both on original cost and on installation. Send coupon *today* for full details and a beautiful folder showing Vikon Tile selections in full color.



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VIKON COLOR FUSION METAL **TILE**

BEAUTY • ECONOMY

DURABILITY

"The Original Individual Metal Tile" Established 1926

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Washington, New Jersey, Dept. XF-1

Please send me full information and a helpful brochure on Vikon Tile.

NAME _____

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CITY _____

ZONE _____

STATE _____

Some things you should know about

BATHROOM

Plumbing Fixtures

The bathroom plumbing fixtures in your new home may cost you as little as \$150—you can spend thousands of dollars.

The minimum figure—\$150—will buy the least expensive bathtub, lavatory and toilet available, including faucets and other necessary trim. You would have to install them yourself, of course. Labor would run the costs much higher.

An attempt to "shop" for bathroom plumbing fixtures, comparing the costs of different brands, assorted sizes and various dealers' lines, can be a bewildering experience. There is no central source for such information, so SMALL HOMES GUIDE editors decided to shop for you.

Among the general information we gathered were these facts:

Colored fixtures cost 20 to 30 percent more than white. The more luxurious or de luxe the fixture is, the greater the cost difference between white and color.

The number of retail dealers who sell fixtures "off the floor," as opposed to plumber-dealers or contractors who sell only fixtures that they install, appears to be declining.

It costs less to install plumbing in a house at the time of construction than later on—so plan a plumbing layout that will be adequate for future needs.

The photos on these pages show representative samples of three types of fixtures. Specific prices were quoted by a typical dealer, Ackerman's Plumbing & Heating in Harvey, Illinois.

BATHTUBS

Corner tubs (one side and one end visible) generally cost more than recessed tubs (only one side finished). Enameled cast iron, the most common material, in most cases costs more than the lighter-weight steel. Clay is more expensive than either. Otherwise, the price depends largely on the size and type of fittings. Prices indicated under the photos include shower fittings. Sliding or swinging doors to make a recessed



Cast-iron recess tub with end seat, \$135

1095 REASONS A YEAR... FOR HAVING AN *Electric* RANGE



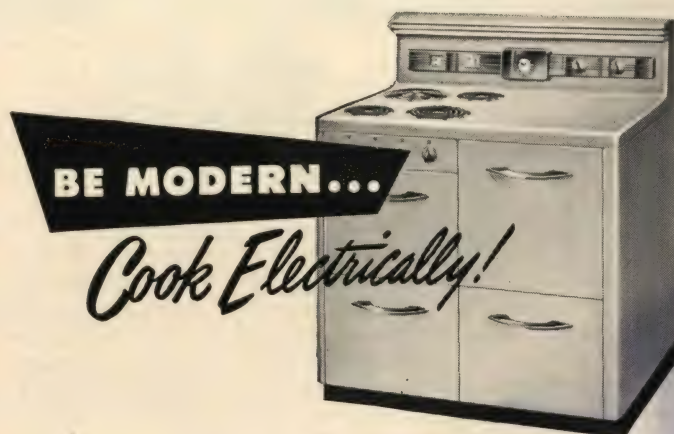
If you cook three meals a day for a year, that adds up to 1095 reasons why you should plan for an *Electric Range* in your new home. Enjoy the pleasure of cooking electrically. The *Electric Range* is the modern range for your modern kitchen.

IT'S AUTOMATIC. Just put in the food and set the controls. You are free for other duties while the range is cooking your complete dinner.

IT'S FAST, and clean as electric light. Your kitchen stays as cool as any other room in the home, too.

IT'S ACCURATE. Prevents cakes-that-never-quite-turn-out, or pies-that-just-miss. Meats are done to a *juicy* turn—no wasting, no peeking. No more “by guess and by golly.”

Send for a FREE copy of “COOKING ELECTRICALLY.” Read how an *Electric Range* will make you look forward to every meal. Illustrated and printed in color, it's chock-full of recipes and helpful hints on how to give your family delicious, nourishing meals. *Use the coupon!*



CLIP AND MAIL TODAY!

ELECTRIC RANGE SECTION
National Electrical Manufacturers Association
155 East 44th Street, New York 17, N. Y.

ADMIRAL • BENDIX • COOLERATOR • CROSLEY • DEEFPREEZE
FRIGIDAIRE • GENERAL ELECTRIC • GIBSON • HOTPOINT • KELVINATOR
MAGIC CHEF • MONARCH • NORGE • PHILCO • WESTINGHOUSE

ELECTRIC RANGE SECTION
National Electrical Manufacturers Association
155 East 44th Street, Dept. SHG-S-54, New York 17, N. Y.

Please send me, absolutely FREE, copy of 12-page booklet “COOKING ELECTRICALLY,” printed in color and profusely illustrated.

Name.....

Street & No.....

City.....Zone.....State.....

FASHIONS AND FEATURES IN THE MUTSCHLER MANNER

Kitchen Showbook




Save **hard cash...**
by consulting this exclusive collection of hardwood kitchens in full color! Tells how to plan fashions and features like those shown in leading magazines. Includes dining and laundry areas, too. Can save you hundreds of dollars in costly disappointments.

Mutschler NAPPANEE 4, INDIANA

Enclosed is my dollar. Please send "Kitchen Showbook."

NAME _____
ADDRESS _____
CITY, STATE _____

☐ Home Owner ☐ Architect ☐ Builder

This big 14" x 11" book can be yours—

\$1 SEND TODAY!

Edition is limited.

Give your home the wonderful

SLOAN

Act-O-Matic

AUTOMATICALLY SELF-CLEANING
SHOWER HEAD



For all the family... shower bathing that is Completely Satisfying —**ALWAYS!**

Bathes *ITSELF* After It Bathes *YOU!*

- All the family can start every day with a smile, year after year. When they turn on the *Act-O-Matic* and step into that luxurious shower spray they'll feel "like a million." It's delightful, trouble-free bathing — not even stray streams to wet ladies' hair or turn bathroom baritones into bears. Only in the *Act-O-Matic* can you get all the following advantages:

- 1 Automatically flushes shower head after each use
- 2 All clogging particles automatically discharged
- 3 No dripping after shower is turned off
- 4 Cone-within-cone spray distributes water evenly
- 5 Water flow and spray direction fingertip controlled
- 6 Exclusive design eliminates need for servicing
- 7 Replaces present shower head without special tools

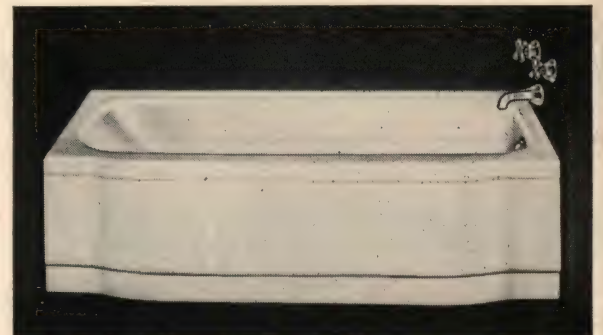
Your Plumbing Store will supply you, or write to us.

SLOAN VALVE COMPANY
4362 WEST LAKE STREET • CHICAGO 24

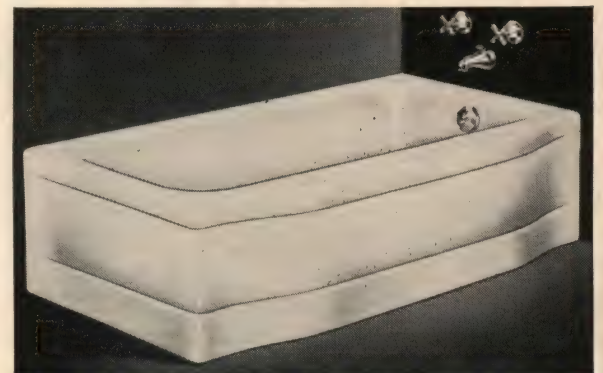
Bathroom Plumbing Fixtures

BATHTUBS (continued)

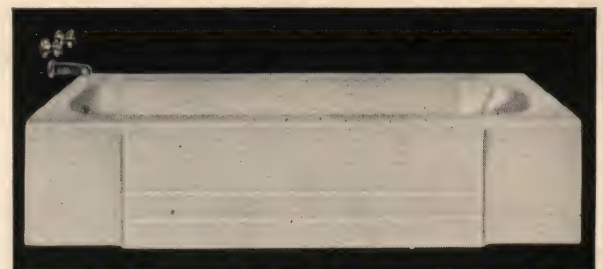
tub double as an enclosed shower range from \$70 for one plastic type to \$290 for the most luxurious glass models.



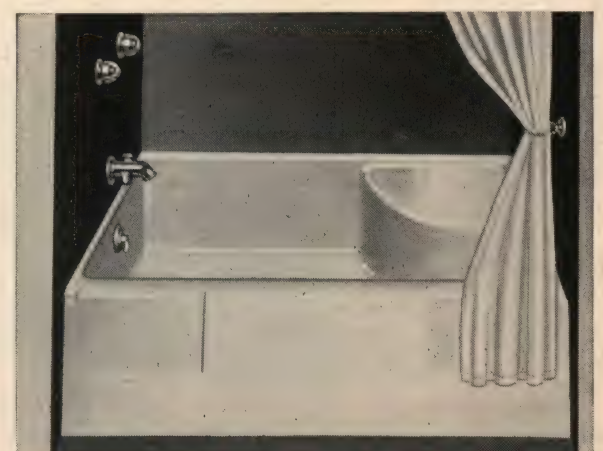
Steel recess tub, sloping back, \$93



Steel corner tub, \$107



Low-cost cast-iron recess tub, 14 inches high, \$79



Clay recess tub, 42x31 inches, integral seat, \$147

(continued on page 183)

Put an *automatic garbage can* in that new house of yours!

Wouldn't it be wonderful if you could have a magic garbage can for that new house you're planning — one that would empty itself — clean itself — never develop odors — never attract flies or rodents — never upset itself on the lawn — never get into a losing contest with a neighbor's dog — never freeze tight in winter — clog up in summer?

wouldn't it be
Wonderful?

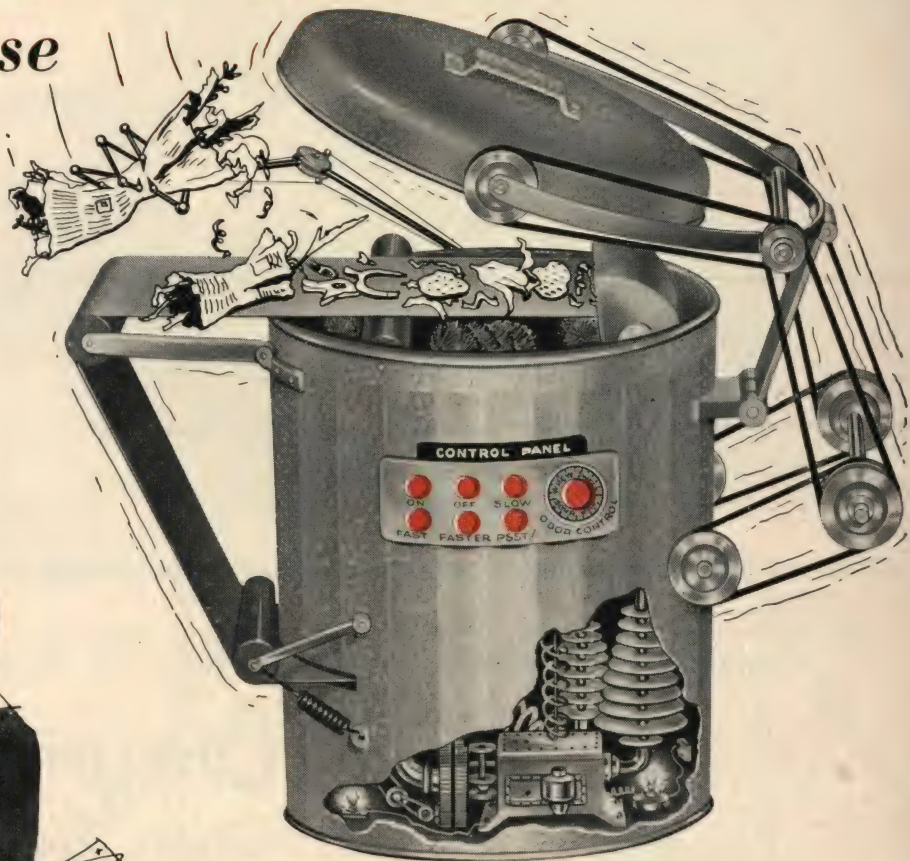
Just think! Touch a button and s-w-o-o-s-h — garbage is gone. No messy scraping of food wastes out of the kitchen sink — no wrapping wet coffee grounds, greasy scraps, potato peelings in newspaper; no toting the soggy bundle to an always-full outside garbage can, or to the incinerator.

wouldn't it be
Wonderful?

No more griping at the mayor because garbage collections were lousy. No more phone calls to the garbage department because the garbage man missed you Tuesday!

wouldn't it be wonderful to have
an automatic garbage can?

Well, you can. Easily, too. There's a coupon at the bottom of this page. Fill in your name and address and send it to us. We'll tell you all about the magic of NATIONAL's automatic garbage can. (Don't take our artist's conception of an automatic garbage can too seriously. But do take the idea of automatic garbage disposal seriously.)



Here's part of the story. The coupon will bring you the rest.

It's called the NATIONAL DISPOSER. It fits under your kitchen sink — connects to your kitchen sink drain line. All you have to do is to shove *all* your food scraps into the sink drain opening — turn on the cold water — and s-w-o-o-s-h — your garbage is gone.

The NATIONAL DISPOSER isn't expensive to buy. In building or remodeling you can include it right in your FHA or financing program. But you don't have to build or remodel to install a NATIONAL. Your master plumber can install one in your present sink without fuss, muss or bother.

Even if you live in the country away from city sewer lines you can still have a NATIONAL — for the NATIONAL DISPOSER works equally well with septic tanks.

Don't worry about clogged drains. Just as a NATIONAL keeps itself scrubbed clean, it keeps drains scrubbed clean, too. And don't worry about safety. A six-year-old child can run the new NATIONAL 535. She couldn't hurt herself if she tried.

That's just part of the story about NATIONAL's "automatic garbage can." The coupon will bring you the rest. Mail it now, won't you? You'll be awfully glad you did.

—the brightest star on
the wife-saving horizon!



REPLACEMENT OF A RETURN OF MONEY
Guaranteed by
Good Housekeeping
IF NOT AS ADVERTISED THEREIN

NATIONAL DISPOSER

NATIONAL DISPOSER • 47 W. Exchange St. • Akron 8, Ohio
Dept. SMG 454

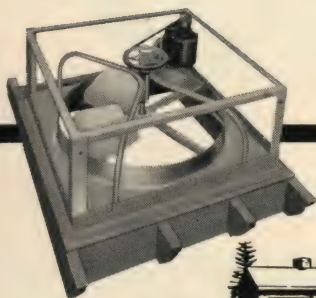
Send me the full story about the "automatic garbage can" and the name of my nearest dealer.

NAME.....

ADDRESS.....



Here's a Wonderful Way to have a
Cool, Comfortable Home
 all summer long-- and at low, low cost !

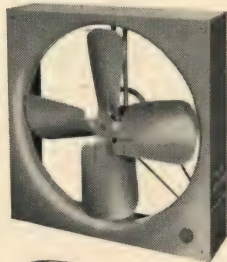


LAU "Niteair" Rancher Fan

For Ranch-type homes with minimum head-room. Pulls air vertically UP through ceiling openings and OUT through louvers or roof openings. Four sizes, 24" to 42"...capacities from 4750 to 11,900 cfm.

LAU "Niteair" Panel Fan

For every home. Install in attics, walls, garages, area-ways. Versatile and efficient. Comes in five sizes, 24" to 48"...capacities from 4750 to 17,500 cfm.



Install a **LAU** "Niteair" Fan

If you've never experienced the cooling comfort of a LAU "Niteair" Fan you've got a real treat coming to you. For here is a completely satisfying natural summer cooling...gentle breezes flowing through your rooms, any rooms, in the exact volume you like. And it saves you money!

Sleeping, dining, entertaining...upstairs or down...a LAU "Niteair" Fan brings healthful breezes in through open windows... constantly, steadily, just as you want it, takes hot, humid, stagnant air out. And it operates for pennies!

Quiet, powerful, completely trouble-free...a LAU "Niteair" Fan cools by removing "stored-up" heat from attics, walls, draperies and "dead" spots... replaces this retained heat with cooling, moving, outside air. You'll sleep...you'll awaken refreshed...no matter how hot or humid the days may be. In ranch type or conventional homes a "Niteair" Fan, with automatic timer and 2-speed motor will become your most cherished possession. It's smart to "install-when-you-build"...and the cost is trifling!

Completely UL and PFMA approved. Guaranteed for 5 years.
 See your LAU dealer now!

THE



BLOWER COMPANY • 2010 Home Ave., Dayton 7, Ohio

See your dealer or write for further information.

BATHROOM PLUMBING FIXTURES

(continued)



De luxe corner tub, \$238

TOILETS

Few wall-hung toilets (where tank is attached to wall and connected to bowl by a length of pipe) are sold these days for new homes; the swing is to the close-coupled (in which the tank rests on the back of the seat) and one-piece types. Costs of wall-hung and close-coupled are comparable; one-piece normally costs more.



Wall-hung, wash-down toilet, \$53



Close-coupled, wash-down toilet, \$45

(continued on page 184)



ELJER

A SUBSIDIARY OF THE **MURRAY** CORPORATION OF AMERICA

designed with the years ahead in mind

Your choice *now* of Eljer Plumbing Fixtures will pay you handsome dividends—year in, year out. Their inherent quality and co-ordinated styling promise beauty that will stay fresh, and a lifetime of convenience. You select from a wide range of styles—in snowy white or five glamorous colors. Bathtubs are designed for bathing comfort. Note the wide end seat and lowered side seat of Legation model shown. Entire surface is within easy reach for speedy cleaning, too. Vitreous china lavatories and toilets bring you all the marvelous advantages only *real china* can bring—easy cleaning, resistance to stains and wear. Your architect, builder, and plumber know Eljer well. Consult with them or write Eljer Co., Box 192, Ford City, Pa.



BEFORE YOU BUY ANY GAS HEATING

be sure to check these modern advantages of

Timken ^{SILENT}_{AUTOMATIC} Gas Heat!



Take no chances!
**TIMKEN SILENT
AUTOMATIC**
gives you all
these
advantages!

1. Clean, quiet, completely automatic.
2. Complete selection of finest burners, furnaces, boilers, to meet any requirement.
3. Modern. Beautiful. Compact.
4. Adaptable to any type of gas.
5. Backed by the world's leading manufacturer of quality home heating equipment.
6. Installed by authorized Timken Silent Automatic Heating Experts!

Installed only by
local, authorized
TIMKEN
Silent Automatic
heating experts

If you're planning to heat your new home with gas—or switch to gas in an old one—it will pay you to get the facts about the world's finest gas heating equipment line—*Timken Silent Automatic!*

Here is advanced engineering by men with years of experience in home heating. Every tiny part is designed to bring you the utmost in economy, quietness and dependable long life. Tested in thousands of American homes, to give you years of trouble-free performance! All Timken Silent Automatic Gas Heating Units are *completely* automatic. Compact, clean, beautifully designed.

A Great Array of Top Quality Gas Heating Equipment—To Meet Your Exact Heating Requirements! Let your Timken Silent Automatic Dealer survey your home—FREE of charge. He will tell you the size of unit you will need, with a proposal covering price and terms.



TIMKEN *Silent Automatic* GAS HEAT

TIMKEN SILENT AUTOMATIC DIVISION
ROCKWELL SPRING AND AXLE COMPANY • JACKSON, MICHIGAN
The Timken-Detroit Axle Company of Canada, Ltd., Toronto, Ont.



Choose from Timken Silent Automatic's Complete Line of Gas and Oil Furnaces, Boilers, Conversion Burners and Water Heaters.

Phone your local Timken Silent Automatic Dealer today for free survey of your present heating plant... facts on 36-Month Easy-Pay Plan!

**FREE! SEND COUPON
FOR FACTS TODAY!**

Timken Silent Automatic Division
Dept. SH-44, Jackson, Michigan
Please send me complete information and literature on Timken Silent Automatic Gas Heat.

Name.....

Street.....

City..... State.....

I am also interested in.....
(Students, please check here for special data) ☐

BATHROOM PLUMBING FIXTURES

(continued)



Close-coupled, narrow tank, \$36



Close-coupled, siphon-jet, \$70



One-piece siphon-jet toilet, \$90



One-piece, advanced design, \$90

(continued on page 186)



For Color Selections that compliment your kitchen!

Color is the key to modern kitchens that are as cheerful as they are efficient! And of all modern ranges, only the new Thor Built-in Electric Range gives you a choice of four different decorator colors — the most-wanted colors and tones that will blend or contrast beautifully with practically any kitchen color scheme!

Yes, Thor not only gives you the largest built-in oven of them all—but the oven trim gives you a choice of any one of these smart colors; lustrous Copper, stunning Thor Gold, luxuri-

ous Satin Silver, gleaming White Porcelain. Best of all, you can have a new Thor Built-in Electric Range installed in your home for as little as \$3.00 per week.

Colorful booklet shows exciting new kitchen plans, designed around these new Thor colors, along with complete information on the thrilling new Thor Built-in Electric Range. For free booklet, write to Leeson Steel Products, Inc., Dept. SHG-SF, Subsidiary of Thor Corporation, 2115 S. 54th Avenue, Chicago 50, Illinois.

think of **VALUE** . . . *think of* **THOR**

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Built-in
**Electric
Range**



THOR CORPORATION
Chicago 50, Illinois

How to get low-cost "AUTOMATIC WATER" for your country home

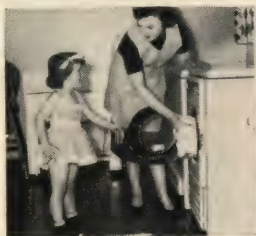


New JACUZZI "Deeprime Jet" ... only self-priming jet pump for deep wells.

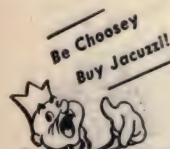
Let's face it! If you're going to live in the country, you'll find no part of your home—unless it's the heating—having more influence on your daily living than your water system. For your kitchen, your bathroom, automatic laundry and yard—you'll be depending on that water system every day of the year... year in and year out. So unless you're an experienced mechanic, you'll be dollars ahead in the long run to pay a little more initially and cash in on the superior performance of a Jacuzzi Jet Pump. For in water systems, too, you get exactly what you pay for.

The only fully-automatic water systems on the market are Jacuzzi Jets. They are made so you can practically forget them once they are installed. That's because they're completely self-priming. Won't lose their prime even after electric power failure or on wells with changing water levels. Jacuzzi Jets operate without one single moving part below ground. That means there's no motor or mechanism working down in the well that can clog or corrode or cause expensive breakdowns. What's more, there's no annoying control valve to regulate. No gears, belts or reciprocating parts. No frost-proofing or lubrication needed.

You can get up to 35% more pressure and 20% more water with a Jacuzzi than from similarly rated pumps. That means you can have the high pressure water you need for your automatic dishwasher and lawn sprinklers without paying higher power costs. As you probably know, pumping conditions vary radically. We believe no one pump can serve all needs efficiently. That's why we manufacture the industry's largest line of jet water systems—even for wells up to 300 feet in depth. Consequently, when you buy a Jacuzzi, you can be sure of getting a water system that's tailor made to handle your specific water problem most economically.



So think of the long-range cost when you buy that water system. Remember that just one extra breakdown in a ten year period can wipe out your "saving" in purchasing a low-priced pump—not to mention the difference in convenience. So insist on having a genuine Jacuzzi. Don't settle for less!



Get the facts!

Before you purchase any new pumping equipment, read our helpful new illustrated bulletins. Dealers and factory branches nationwide.



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BATHROOM PLUMBING FIXTURES



De luxe siphon-jet toilet, lid telescopes over correct-posture seat, \$130

LAVATORIES

Today's trend is to build lavatories into a countertop which also serves as a vanity, with storage facilities beneath. Complete lavatory-vanity units are available, and are not as costly as you might think, especially when the cost is compared to that of having a carpenter duplicate cabinet work on the job.



Lavatory-vanity unit, plastic laminate top, \$185



Lavatory to be built into countertop, steel, \$28

(continued on page 188)

Now—G-E Cooling for entire home adds as little as \$6 to monthly payment



OUTDOORS, HOT AND MUGGY—INDOORS, COOL AND REFRESHING. Cool and heat with a single G-E unit, so quiet and compact you can install it in a closet (above)—basement, attic, elsewhere. Unique Air-Wall* register

(under window) sets up protective wall of air—warm in winter, cool in summer—between living quarters and the outdoors. Decorator's delight—no carpet-cutting or furniture arrangement problems!

Build your new home around a great idea: G-E Year-Round Air Conditioning. Enjoy the luxury of summer cooling in every room, at a new low cost!

Your contractor will be delighted to plan your home for compact G-E Air-Wall* Heating and Cooling. Dollar for dollar, he can give you more real living space by making your entire house comfortable in any weather. He can forget cross-ventilation...place windows solely to capture the most scenic views. You'll be delighted, too, because G-E summer cooling will only add about \$6 to your monthly mortgage payment.

What a wonderful way to live! Sleep cool on the warmest, muggiest night...awake refreshed. Bake, iron or entertain on the hottest day—and

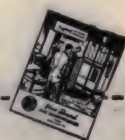
like it. No summer mildew, either! In winter, enjoy uniform warmth, floor to ceiling, room to room. No cold drafts on floors. No furnace-tending! Do less cleaning—the G-E unit filters dirt and dust, winter and summer.

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AUTOMATIC WASHER... DRYER... IRONER



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a complete Blackstone home laundry can actually be put on your mortgage!

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fit bathroom, play room, sewing room, utility room, or kitchen with ease!

Efficient as it is versatile, the handsome Blackstone washer cleans your fabrics second to none. Even the most delicate fabrics are done quickly and gently in the superb dryer—and there are no messy exhaust puddles!

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AMERICA'S OLDEST MANUFACTURER OF HOME LAUNDRY APPLIANCES

BATHROOM PLUMBING FIXTURES

(continued)

Vitreous china, can be built in or wall hung, with or without legs, \$160 as shown



Conventional wall-hung, steel, 21x17 inches, \$25



Vitreous china, 24x20 inches, \$63



Corner lavatory, vitreous china, \$46

SHOWER STALLS

Here is where economy and luxury can mean a large difference in price. The simplest model available, with a curtain rather than a glass door, costs about \$59—roughly one-tenth as much as big, beautiful luxury models. If you build in your own shower stall, you will find that fittings range from \$15 to \$55.



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PLUMBING FIXTURES

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The fixtures shown are in Peachblow, one of the non-fading Kohler decorator colors. The Cosmopolitan bath—of enameled non-flexing iron cast for rigid strength—affords comfort and safety with a flat, roomy bottom, slope end, bench rim.

The Gramercy lavatory is of vitreous china with an ample basin, built-in soap dishes, handy shelf. Surfaces are easy to keep clean and sanitary. Chromium-plated fittings match the fixtures in style and quality. Consult your Kohler dealer. Write for booklet G-14.

Kohler Co., Kohler, Wisconsin. Established 1873.

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AND HAKO TRUFFLE LINE TILE

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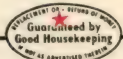
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Plan Your Laundry's Layout

an assembly-line laundry will save you miles of steps—here are some principles to guide you

When your new home laundry is set up and operating, you will appreciate one of the great blessings of the age—no more blue Monday washdays.

Automatic equipment will erase most of the drudgery of washing and ironing. But a little beforehand planning is necessary. Hauling, bending and stooping are to be reduced to a minimum.

You would be well advised to decide in advance on the kind of equipment you will have in your laundry, narrowing it down to make and model numbers if possible. Then you can get dimensions of the equipment, and use these dimensions in planning the layout of the laundry.

It may also pay you to investigate water heaters at the same time, keying the size of your heater to the amount of hot water required by the particular washing machine in which you are interested, as well as to other hot-water-consuming facilities.

Be sure to give yourself a little elbow room when you plan your laundry area. True, modern automatic machines are well designed and so effectively splashless and vibrationless that they can be located almost anywhere in the house—the kitchen, a closet or hallway, a bathroom or one end of a family room, as well as in the basement or utility room. But the area you choose should be big enough to move around in, should allow adequate space for sorting soiled clothes and hanging ironed garments.

For easiest handling of clothing through the washing-drying-ironing stages, set up equipment in an assembly-line arrangement. Ideally, a sorting counter should be first in line, near the laundry entrance. Here garments can be separated according to color, fabric and degree of soil. If you have a laundry chute, this is where it should empty. The sorting counter should be at a convenient level for your particular height.

A Small Sink Is Handy

A small sink set into the counter, or a single-basin laundry tub installed next to the counter, will be handy for removing stains.

An electric hot plate or gas burner for starch making may be located on a shelf above the sorting counter, to allow maximum work space below. Cabinets or shelves above or below the counter will hold laundry supplies—soaps, detergents, bleaches, bluing.

Next to the sorting counter should be the washing machine. If it is a wringer type, you will definitely need laundry tubs here.

The dryer should be next in line; and alongside—or around the corner from it—the ironer. You will need storage for dry but unironed clothing; the space may be provided in a bin here, or underneath the sorting counter. The latter location is convenient if the counter contains a sink, because clothing may easily be dampened later for ironing.

Above your ironer, you will probably want open shelves to hold finished flatwork and folded garments. Your ironing board and hand iron should be last in line, next to the ironer. Here, too, you can install a folding rack which can be pulled out to hold ironed garments on hangers.

Addition of a comfortable chair or metal stool with a back will make ironing less of a chore. To round out the equipment, an exhaust fan which will keep moist, warm air from building up within your home, should be included.

In the previous (31st) issue of SMALL HOMES GUIDE we showed various plans for laundry-utility rooms. For information on how to obtain a copy of this edition, see the Bibliography page.

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"Praise-Winning Kitchens"

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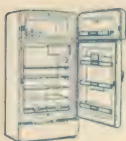




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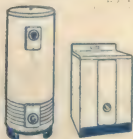
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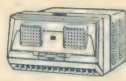
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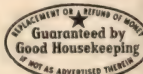
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Today's automatic equipment cuts "washday" down to minutes of actual work.

How to choose the right LAUNDRY EQUIPMENT

One group of modern architects envisions the home as a "machine for living." Whether you agree or not, undoubtedly you will try to equip your home with the most essential machines for comfortable living.

A washing machine is high on anyone's priority list; and in recent years the clothes dryer has come to take its place (literally) alongside the washer as a household necessity.

Today there are three major types of washing machines in common use. They are:

1. The automatic washer, which does everything without supervision once the clothing and soap are in place—washing, rinsing and spinning or squeezing out most of the water.
2. The semiautomatic, which does the heavy work of washing and part-drying but which requires some manual operations in changing the water from soapy to rinse.
3. The wringer type, which does the heavy work of washing but which requires manual operations in changing the water and putting the clothing through the wringer to squeeze out the excess water.

Most washers purchased for new homes are of the fully automatic type, discussed in considerable detail below. Different models of automatic washers vary to some extent in the number of steps involved *before* washing begins.

With some machines the housewife merely puts in clothing and detergent and sets the controls. With others it is necessary
(continued on page 197)

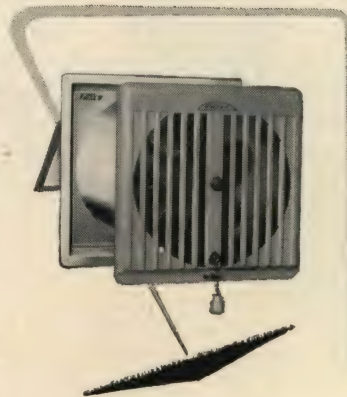
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Get more mealtime pleasure from your kitchen with a Fasco Ventilating Fan. Whisks away odors and greases the moment they leave the pan. Saves its low cost many times over in reduced house cleaning and maintenance costs.

A joy in the bathroom too. Vapors vanish *instantly* with a Fasco on the scene. Simple to install, easy to clean. Every Fasco model is guaranteed *five years*.

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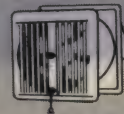


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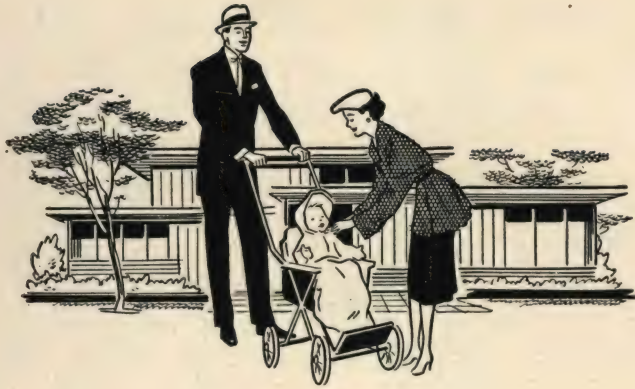
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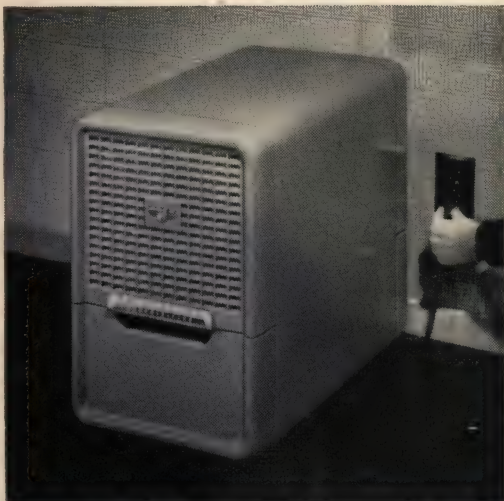
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Across the nation housewives are making better homes for their families because of the efficient operation and time-saving ideas of Frigidaire Appliances. Thousands have changed meal preparations from a chore to a delight with Frigidaire refrigerators, electric ranges and food freezers. Thousands more have turned wash days into wash minutes with Frigidaire automatic home laundries and electric water heaters. Countless more have banished mildew and moisture damage, thanks to Frigidaire's Electric Dehumidifier. Yes, Frigidaire families *live* better because Frigidaire products *are* better. You can live better, too—be sure you have Frigidaire Appliances in your home.



Banish basement dampness and moisture damage the easy way with a Frigidaire Electric Dehumidifier.



Completely automatic Frigidaire Electric Water Heaters give gallons of hot water for pennies a day.



Frigidaire Presto-matic Ironer handles everything from handkerchiefs to sheets, easily and quickly.

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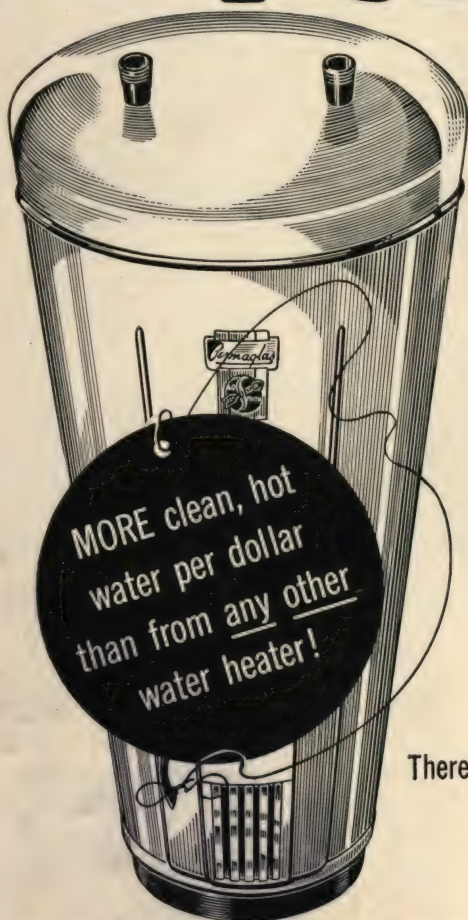
Now...Permaglas...the only glass-lined water heater
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The modern home, with its automatic clothes and dish washer, its extra bathroom and other normal demands for hot water, needs the capacity that the Permaglas 45 can give . . . (an average automatic washer takes 54 gallons of hot water . . . the Permaglas 45, for instance, delivers 78.6 gallons of sparkling, clean, rust-free hot water the first hour). The beauty of it . . . it costs no more than most ordinary 40 gallon water heaters!

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Your LOCAL DEALER displays this extra capacity 45 gallon automatic Permaglas water heater. He also has a model and size . . . gas or electric . . . for every home. SEE THEM NOW!

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THE RIGHT LAUNDRY EQUIPMENT

(continued from page 193)

to turn off the water when the machine is full. Still other machines require that the detergent be put in after the water; in some, the clothing goes in last of all.

Methods of washing vary, too. Some machines wash the clothes by tumbling them in a revolving cylinder; others by agitating clothes and water back and forth; others by pulling clothes up and down; others by rocking the basket in which the clothes and water are contained.

In most cases the various operations (wash, rinse, damp-dry) can be shortened or lengthened at will; or can be repeated, or skipped.

Many washers now have table-top surfaces which provide a handy place for sorting garments. Some machines open at the top, others at the front. Some come with glass "portholes" through which the washing operations may be viewed; others present solid surfaces.

Some Questions to Ask Yourself

Virtually all of the models now on the market, regardless of their differing principles of operation, mechanisms and design, have their particular advantages. For the individual homeowner, then, the choice usually narrows down to the machine for which he can get the most satisfactory answers to these questions:

- 1. How much does the machine cost?
- 2. How nearly fully automatic is it?
- 3. How clean does it wash the clothes?
- 4. How long does it take to wash a load?
- 5. How much hot water does a load consume?
- 6. How much water is removed in the damp-drying step?
- 7. How adequate are servicing facilities?

Here are some measuring standards:

There is not nearly as much variety in the cost of machines as there is in their design. Most are competitively priced at around \$300. Some are as low as \$240, others go up to about \$330. Normal installation usually is included in this price; but if fittings are not already installed in the hot and cold-water pipes this will cost extra.

Factors to Weigh Before Buying

As indicated, the machines differ somewhat in the degree of their automatic performance. The timesaving involved should be weighed against other factors—such as cost, availability of servicing facilities, hot-water consumption.

Without testing equipment, it is difficult to judge accurately a particular machine's clothes-cleaning efficiency. However, some background can be gained in this by talking things over with friends who have different brands of washers; and by getting an actual demonstration of a machine's performance.

The average machine will take about a half-hour to complete its cycle. Some may take as long as three-quarters of an hour; any longer than this would be a nuisance for the busy housewife with several loads of wash to do in a morning.

Different machines vary considerably as to the amount of hot water required to do a wash. On the average, a washer will use about 18 gallons of hot water, supplemented by 8 to 12 gallons of cold water, per wash.

The gallonage becomes important if the water heater is incapable of meeting a large demand, making it necessary to postpone successive washings while waiting for more water to heat. This factor must be weighed in deciding on the capacity of the water heater to be installed.

(continued on page 198)

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Breath-Taking Beauty

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Cleanest Washability

3

No Repair Worries



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AUTOMATIC WASHER and DRYER

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We have sold over 400 Speed Queen Automatics. They require practically no service. They're as trouble-free a product as you can find.

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Our records show a very minimum amount of service on the many Speed Queen Automatics we have installed.

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We have installed a good number of Speed Queen Automatic Washers and have had no mechanical trouble. Due to its construction, we shouldn't have any.

GAUMONT BROS, INC., Lowell, Mass.



Speed Queen offers
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The Speed Queen Automatic . . .

uses the same Bowl-Tub and Agitator principle as the famous wringer models—fastest method known to get dirty clothes thoroughly clean.



Before choosing your new Washer, Dryer or Ironer, see your Speed Queen dealer for a demonstration of the new 1954 models. Or if you prefer, write to the Speed Queen Corporation, Ripon, Wis.



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• Turn any faucet in your new home—presto—*plenty of water* for every modern household need! That's the story when you install a *powerful* Sta-Rite Water System. You can rely on Sta-Rite... because motors are specially designed for hard, 24-hour pump service. More, the mirror-smooth glass-lined jet never rusts, never corrodes... helps give you *more water, more pressure*. Yes, buy a Sta-Rite Suburban Water System and be *sure* of a plentiful supply of water—now, and for years to come. Write for FREE PUMP SELECTOR GUIDE. It makes home-pump buying easy!

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Some washers are equipped—or can be outfitted—with devices that remove the soapy water at the end of a wash cycle, and store it for the next. The savings here in water and soap may be offset by the fact that the stored water is no longer clean, and cools off between uses, thus lessening its effectiveness.

The effectiveness of the damp-drying mechanism may differ considerably among machines. On the average, enough water is removed so that an 8-pound dry load will emerge from the machine carrying an equal weight in water—a total of 16 pounds, more or less.

The adequacy of servicing facilities is something that each homeowner will have to discover for himself. Washing machines, like any other household equipment, occasionally need repairs. There should be a service setup nearby, so that it is not necessary to call an inexperienced man or send to the factory for parts.

The automatic washers discussed all operate on electrical motors. For safety's sake, it is advisable to ground the machine to a cold-water pipe when it is installed. Some machines have built-in ground wires connected through the cold-water hose.

It takes more power to start the motor in an automatic washer than it does to keep it running. If this extra, momentary strain has a tendency to overload the circuit and blow the fuse, a time-lag fuse will take a momentary overload without danger and without blowing. Such fuses are available at any hardware or electrical supply store.

Automatic Clothes Dryers

An automatic clothes dryer is one of 1954's great conveniences. With one, a housewife can laugh at the weather, and save much time and effort.

The dryer operates by tumbling clothing in a drum through which heated air is blown. The unit is operated either by gas or electricity. Since there is no significant difference in the efficiency of one type over another, the guiding standard should be cost of equipment and its operation.

This cost factor can be broken down into three parts:

1. The initial cost of the machine.
2. The comparative gas and electric rates prevailing in the community.
3. The comparative costs of bringing a 230-volt line or gas piping to the machine.

In general, electric dryers cost less than gas dryers, but are somewhat more expensive to operate, so that these two cost elements to some extent offset each other.

The cheapest dryers cost about \$175; the most expensive are in the neighborhood of \$300. Washer-dryer sets—matched pairs—thus cost between \$500 and \$600.

Dryer controls are simple. Some machines operate only with a time switch—that is, the housewife sets a timer which will turn off the machine when it has run the length of time set. Others operate with temperature controls as well, so that a lower drying temperature can be set for more easily dried fabrics. All have cutout switches which operate automatically should the machine overheat.

With few exceptions, the dryers must be vented to the out-of-doors so the hot, moist air will not accumulate in the house. In the exceptions, cold water is circulated to condense the moisture removed from the garments—water is used to trap water vapor, and the product flows into the drain.

The average dryer takes about an hour to do its job; some machines require a few minutes more, or less.

When clothing is hung in the back yard to dry, the wind will carry away lint. In automatic dryers a lint trap is provided. It must be cleaned regularly or the machine will not function well.

One manufacturer today offers a combination washer-dryer in a single unit. Advantages include spacesaving, and the elimination of some work in transferring clothes from washer to dryer.

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of American
women have
quit working
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why don't you?



Washday work is over for the smart gals who own
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 effortless washdays, don't settle for less than Hamilton!
 Hamilton Automatic Washers as low as \$269.95.
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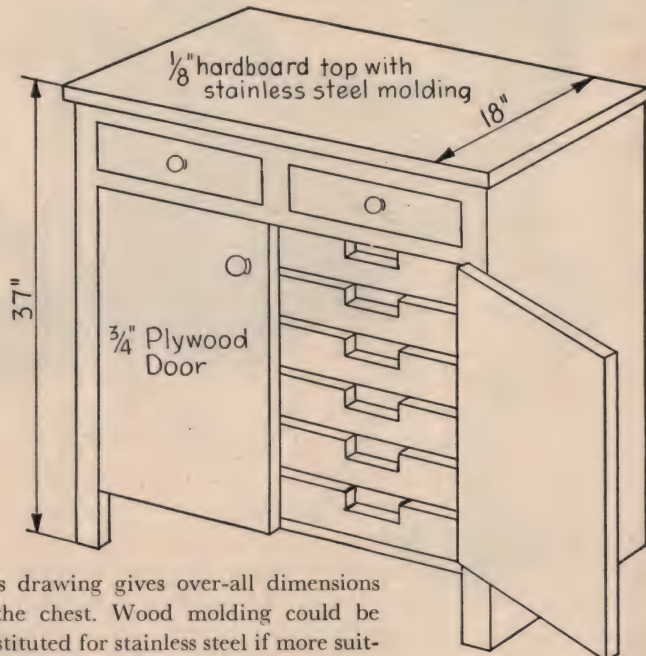


Built-in Linen Chest

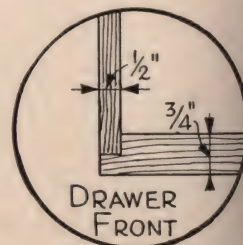
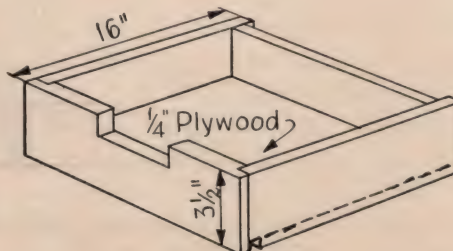
The built-in linen chest pictured below, a handy addition to any dining room, can be built quickly and simply with hand or small power tools. The chest has 14 shallow drawers that are ideal for storage of table linens, silverware and other small or flat objects.



Here is the finished product—neat and compact. It would also be highly useful in the bathroom or the bedroom area.



This drawing gives over-all dimensions of the chest. Wood molding could be substituted for stainless steel if more suitable to the room's décor.



Drawers, as this sketch shows, are of simple construction, cut out for finger grip.

Join drawer sides and front as shown. Sides should be rabbeted to receive bottom.

Isn't it **WONDERFUL?**

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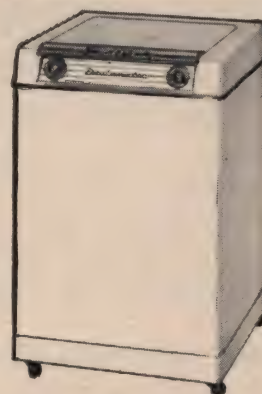
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BENDIX HOME APPLIANCES
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and Tub Fixture
for only \$25.**

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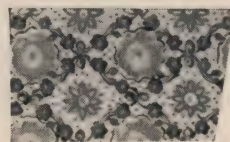
CITY & STATE



The exterior of the small house is painted yellow with white trim. The roof is rust and the chimney is red brick.

Provincial Charm

The Phillip T. Greenes of Hendersonville, North Carolina, chose to decorate their three-bedroom home—built from Plan No. 1105A by Architects Mahorney & Clark in SHG's 29th edition—in a provincial manner. The results of their efforts are truly charming. Quaint, intricate patterns abound in wall coverings and fabrics throughout the house. Furnishings, as the pictures on these pages indicate, carry out the traditional theme.

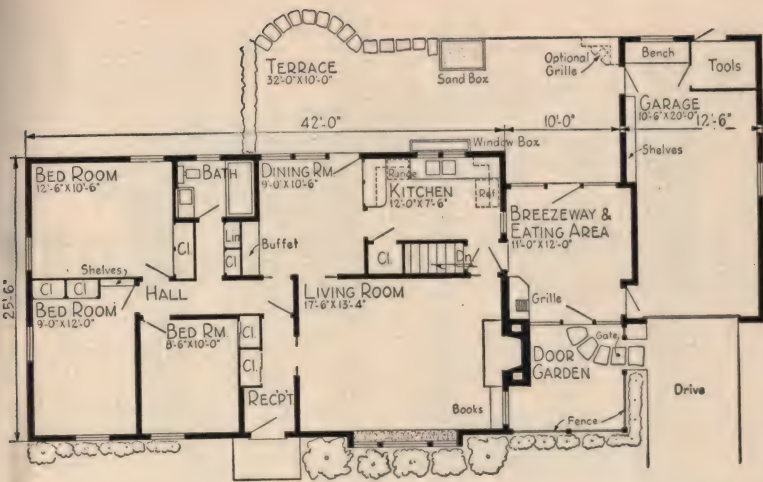


Living room has yellow walls, white organdy curtains, pine ceiling and fireplace wall. Chairs in bay are covered with chintz (pattern at left) in green, red and blue on white background. Braided rug is red, green, yellow and brown.



Master bedroom has blue wallpaper with a white floral pattern. Curtains are white nylon. Dust ruffle and pillow shams are red, as is the chair cover. Bedspread is white.





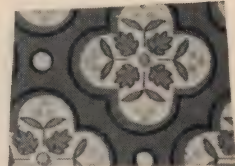
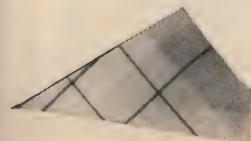
in GUIDE Home



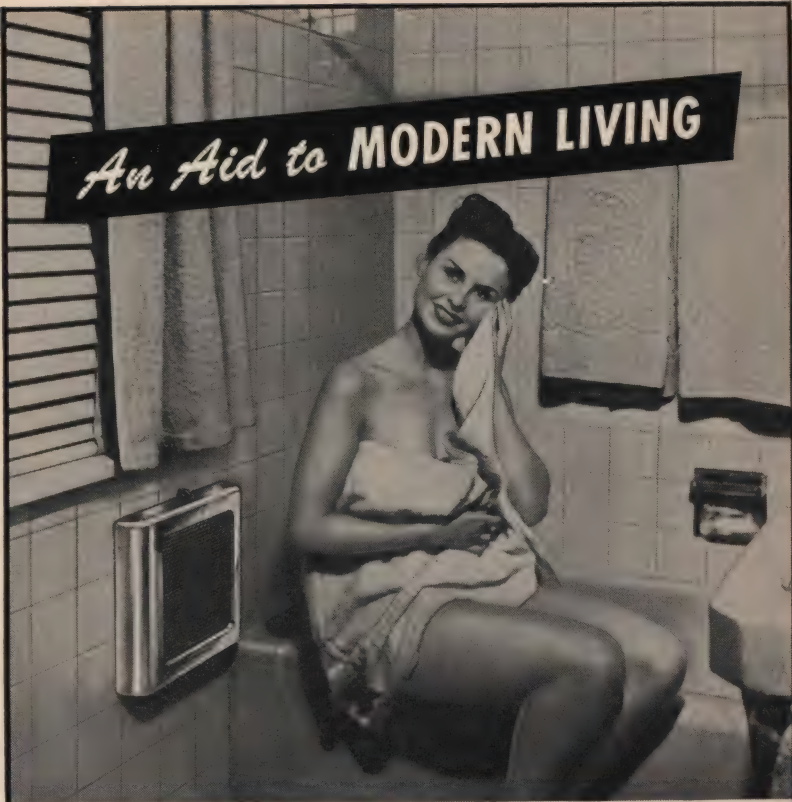
Kitchen and dining room have same wall-paper. Refrigerator was built into space for broom closet. Countertops are beige plastic.



Walls in the nursery are painted light green. The curtains are a pale green and yellow plaid. The same plaid is used on drawer fronts of chests.



Pattern of kitchen-dining room paper is shown above. Red is the dominant color, with brown and yellow flowers on a white background. Dishes are blue and white.



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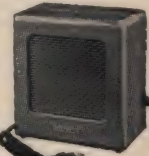
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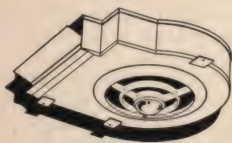
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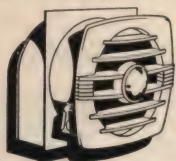
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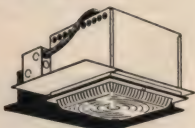
Speaking of points, Girls... PRYNE PRODUCTS have the *FINEST* points!



Blo-Fan



Aerofan



Pry-Lites



Glomaster

Would you believe it!! My Blo-Fan electric ventilator saves me oodles of housework. See how it draws the smoke? That's the way it captures all the dust, grease, and steam and whisks it right out of the house. Why it paid for itself in no time! You can imagine the savings in furnishings and costs of soap and cleaning materials!!

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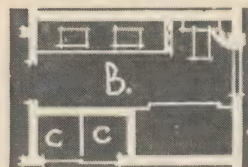
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There are many luxury touches in this bath—twin lavatories in a long countertop with storage above and below, big mirror expanse, corrugated glass divider between the toilet and lavatory unit. Plan No. 1427 by Designer Robert B. Marshall, page 62.

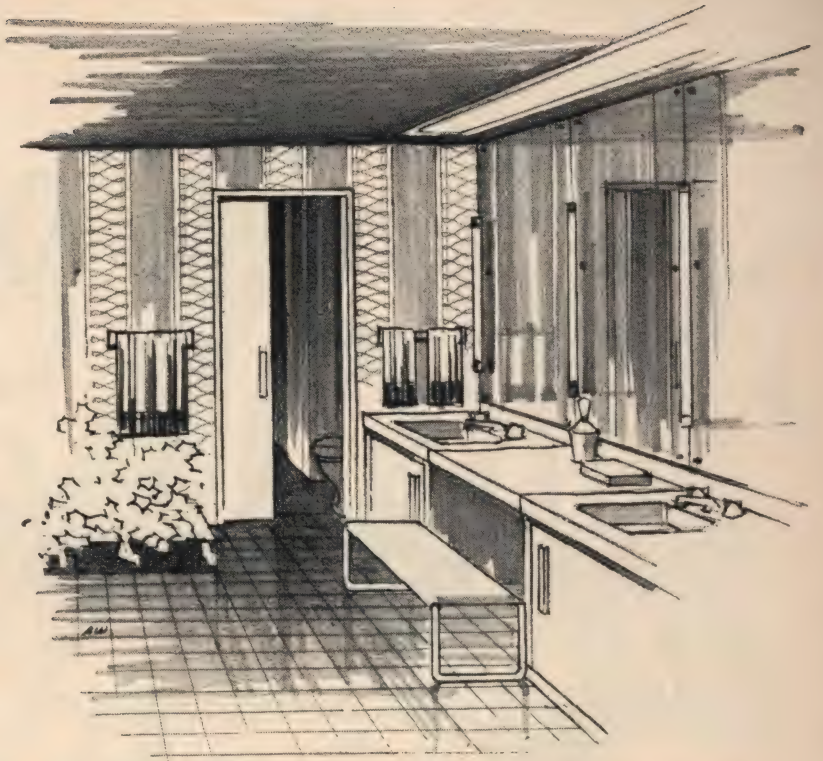


The long cabinet in this bathroom is real luxury—and practical, too. Its wide drawers eliminate the need for a linen closet. The shelf above makes unusual decorative effects possible. The big mirror is well lighted from above. Plan No. 1406 by Designer Richard B. Pollman, page 50.

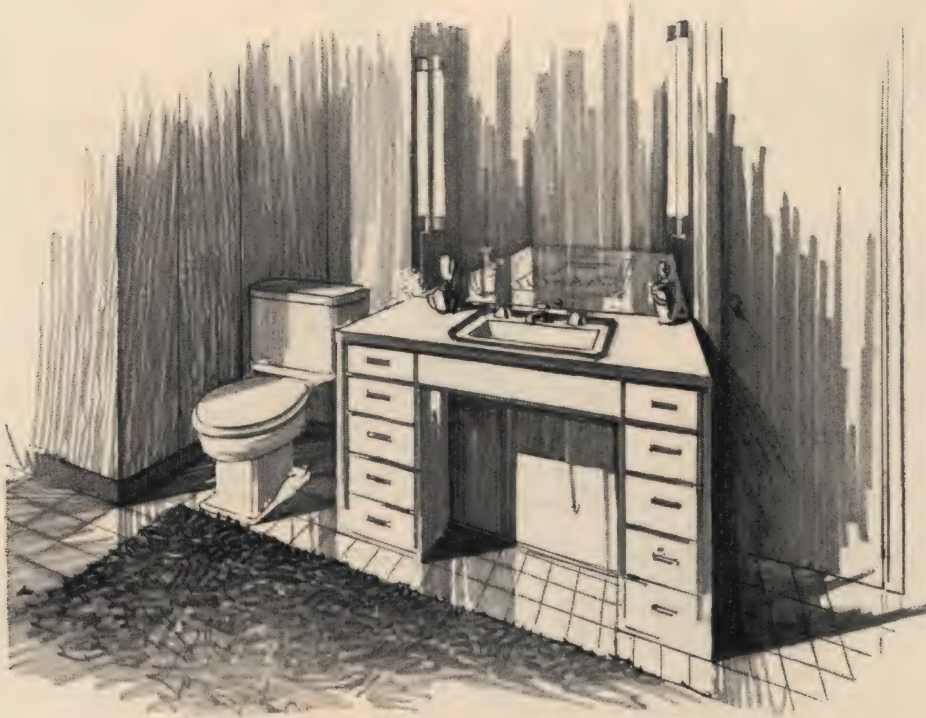


Glamor Bathrooms from Guide Plans

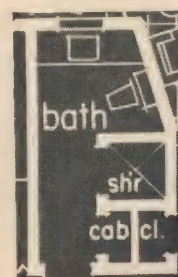
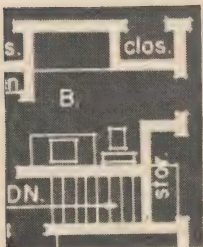
It's possible to have glamor in a bathroom without extravagance—even in a small space, provided fixtures are well arranged and other materials are used imaginatively. To prove this point, SMALL HOMES GUIDE architects and artists have created on these pages eight bathrooms that are fairly small and at the same time glamorous, even luxurious in appearance. Each one is as practical as the typical bathroom that contains nothing more than three fixtures. All are taken from plans in this edition's Design section.



Here's the most luxurious of all—a bathroom divided into separate lavatory area and toilet-shower-tub space. Twin lavatories are set in a long countertop with lots of storage space below. The wall of mirrors is well lighted. Plan No. 1441 by Designer Robert B. Marshall, page 69.



Left to right on this bathroom wall are toilet, countertop lavatory and doorway to foyer and basement stairs. Ten drawers under the lavatory-vanity unit give plenty of space for storage of all necessary bathroom supplies. Mirror is lighted by vertical fluorescent tubes. Rug is a luxurious touch. Plan No. 1451 by Architect Elmer Gylleck, page 74



An angled wall adds to the decorative interest of this small bathroom. The toilet is flanked by a shower stall with glass door and a built-in lavatory. Big drawers and cabinets provide plenty of storage space; the corner shelves offer display possibilities. Plan No. 1436 by Designer Edward Tyler, page 66.

(continued on next page)



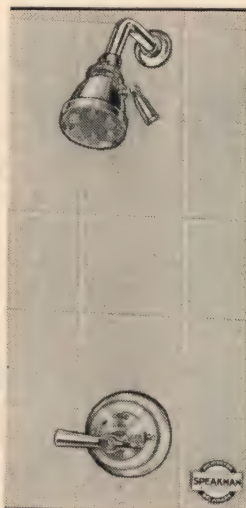
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Oh, no, Junior—that won't work anymore! Pop got sick and tired of being surprised by sudden surges of "steaming hot" or "icy cold" water every time someone turned on the water elsewhere in the house. He played safe and had a *Speakman SENTINEL* Shower installed.

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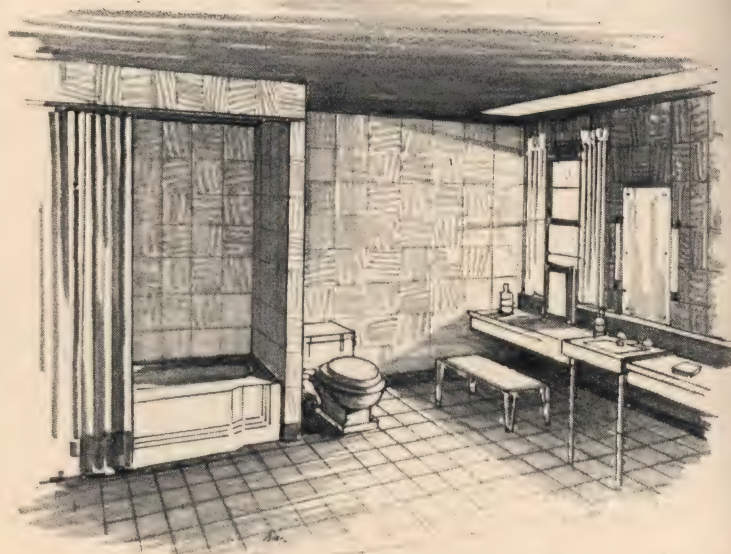
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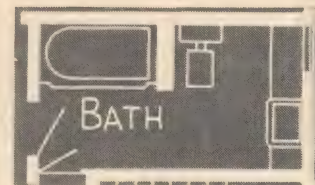
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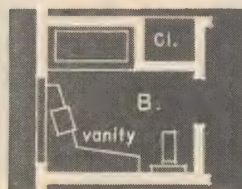
GLAMOR BATHROOMS



Ultramodern in appearance, easy to clean under, is the long lavatory-vanity counter here. Big recessed ceiling lamp gives better lighting for men's shaving, for milady's make-up application. Tub is attractively recessed. Plan No. 1456 by Grainger Thomas & Baar, page 76.



The corner arrangement of the cabinet-lavatory here is attractive and saves space. The big mirror, big window and decorative display shelves are other glamor touches. Plan No. 1449 by Architect Paul T. Haagen, page 74.



The unusual design of this cabinet-lavatory unit also makes maximum use of the limited space available. Back-to-back arrangement of shower stall and tub on the wall at right is economical. Plan No. 1428 by Architect Erwin H. James, page 62.

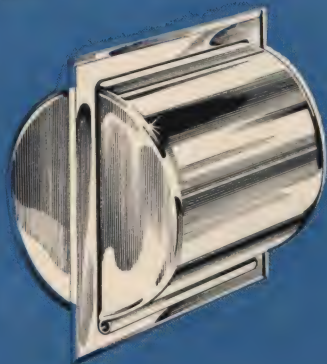


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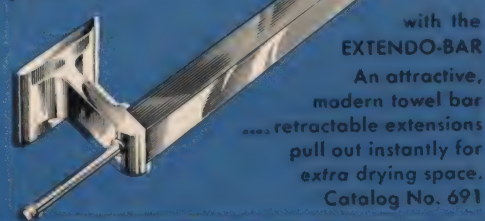
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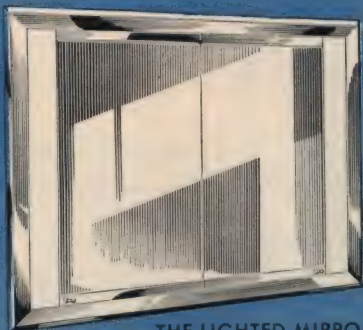
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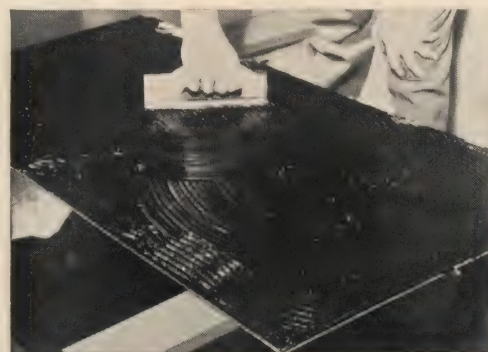
The plastic wall panels now available can give bathroom, kitchen and laundry walls in your new home lasting beauty and protection. The easy-to-care-for panels shown on these pages come in 4x8 and 2½x8-foot sizes. The photos show how to install them on walls. They are also excellent for countertops.



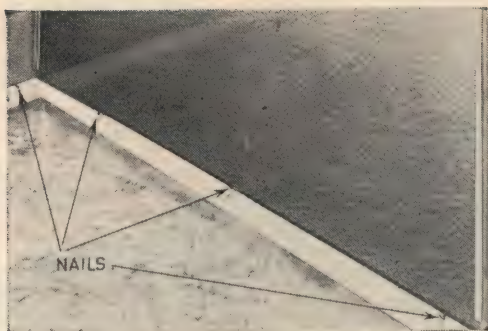
Nail cap-strip moldings around the room at the desired height of panels. Miter the moldings at corners. Make sure you nail to studs. The wall surface should be clean and smooth.



Nail vertical corner moldings in place, then insert first panel into moldings. If corners are not square, cut panel to fit, using pattern if necessary. Saw with panel face up.



Apply mastic to back of panel with notched spreader. Place it into moldings again and press firmly over entire area to insure proper bonding of the adhesive.

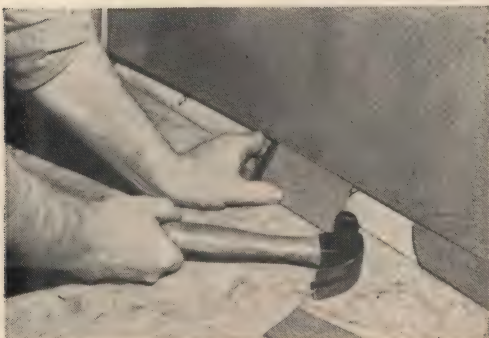
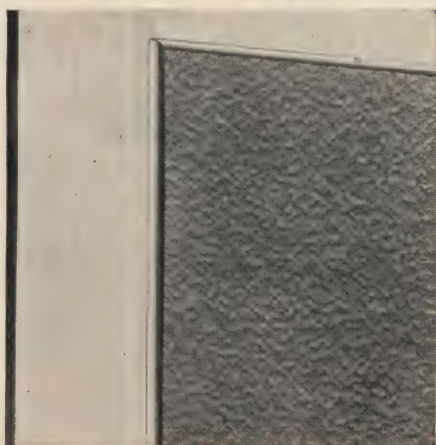


Temporarily support the panel with nails as shown. Baseboards and other trim are removed before starting the job and replaced later. Holes for light fixtures, etc., are cut with key-hole saw before mastic is applied.



Cut divider strip to fit between cap molding and top of baseboard. Tap it firmly into place as shown and nail the exposed flange. Such joints should be at the studs.

At doors and windows, you can either run the panels up to the molding and finish off with a divider strip, or you can rabbet out the door or window trim to receive the panel. This photo shows the first method.



Proceed around the room in this manner. Before replacing baseboards, fill out spaces with scrap pieces of the material so the trim will fit properly when put back in place.



Want to know why you'll be as thrilled as we are with a **LYON STEEL KITCHEN?**

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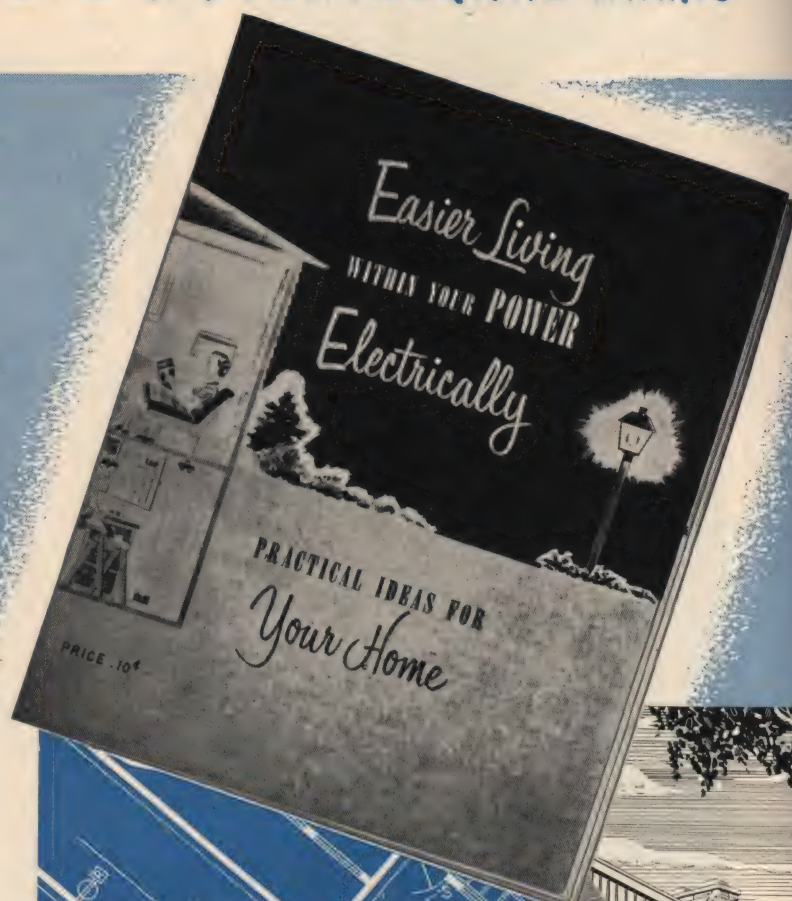
HERE ARE DOZENS OF EXCITING NEW IDEAS TO HELP YOU BRING GREATER SAFETY, BEAUTY, COMFORT, CONVENIENCE and ENJOYMENT INTO YOUR HOME *Electrically*

MAKE SURE YOU INCLUDE Modern Electrical Living IN YOUR PLANS . . .

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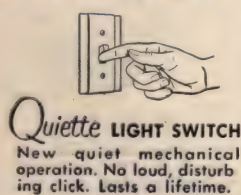
"Easier Living . . ." is offered for just 10c. If you're planning to build or remodel . . . or if you're just planning your dream house for the future . . . use the coupon below to send for your copy today. Go over it with your architect, builder or electrical contractor . . . it will make it easier for you to show him exactly what you want.



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- ⊞ RADIO OUTLET

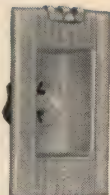


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Electrical connection plus mechanical support. Recess eliminates dangling wires.



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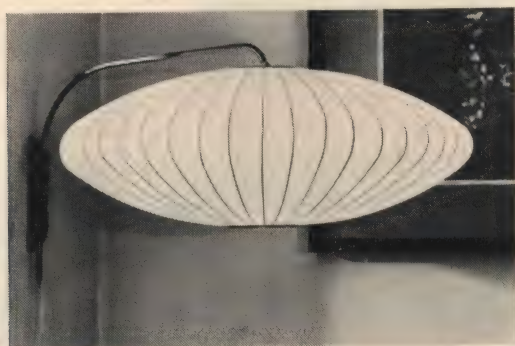
SHG 554

A good example of modern pin-up fixtures, this lamp is suspended from a swinging arm, rides up and down on a counterbalanced cord. About \$37.50

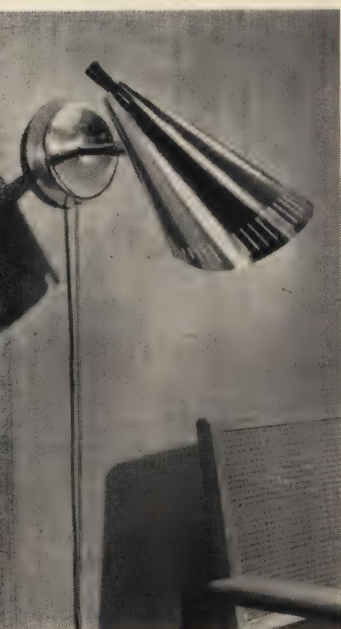


Pin-up lamps de luxe

If any room in your home is inadequately lighted, consider pin-up lamps as the solution. They are movable, yet can't be knocked over by children or pets. Once properly placed, such as over a desk, the light will always be just right. What's more, modern



White plastic diffuses light from this bubble lamp evenly and softly; 25 inches in diameter, 9½ inches high. About \$30.



This completely flexible wall lamp has a polished brass exterior with oyster-white interior. About \$15.50.



Flexible swinging arm makes this lamp highly versatile; polished brass and walnut. About \$28.

What modern electric heating does for your new or remodeled home...



HOW PERFECT COMFORT COSTS YOU LESS!

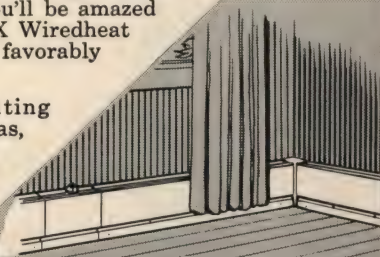
Look at the newest developments in electric home heating. Learn how you can enjoy far greater comfort and convenience, improve furniture arrangement and add extra feet of floor space to your home...and still *reduce your total heating cost!* Send for our new 32-page illustrated booklet "DESIGN FOR MODERN ELECTRIC HEATING."

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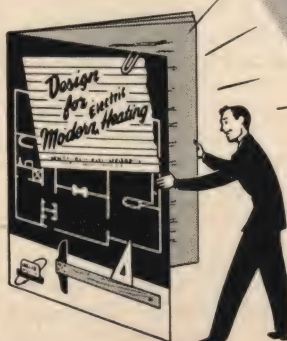


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the original FOOD WASTE DISPOSER



now
gives you complete
kitchen freedom with
the newest, finest

ALL-ELECTRIC SINK!



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Down the sink drain and into the Food Waste Disposer go your garbage chores. Simply rinse table scraps, peelings, coffee grounds and even bones into the In-Sink-Erator Disposer. Grinding direction is automatically reversed every time you flip the switch . . . works faster and doubles the life of the shredders. Your marvelous disposer-sink will make food preparation a real joy as all that messy clean up work is out of sight, out of mind . . . forever. The In-Sink-Erator Disposer is available for separate installation in any standard sink.

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WITH THE DISHWASHER
THAT MAKES ITS OWN
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Cleaner, safer and faster than hand washing ever thought of being! The *only* dishwasher that washes and rinses in its own 180°, scalding hot water for germ-killing power never before possible. Tests prove you'll have less colds, less disease. In-Sink-Erator Dishwasher is also available as a separate free standing unit or for mounting in your own counter base. See your Plumber Dealer for complete information and costs . . . can be financed on a low interest FHA loan.

IN-SINK-ERATOR MFG. CO. • RACINE, WISCONSIN

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pin-up lamps are beautiful—smart decorative assets as well as useful sources of light.

The photos on these pages show some of the best modern types. Among them you may find the answer to your lighting problems.

Another lamp with swinging arm; pleated translucent shade lends textured elegance. About \$20.



The curved chrome stem of this lamp swings to any position and can be locked there. Aluminum reflector also can be adjusted to any angle.

**the REZNOR PAC—the only
COMPLETELY ENCLOSED horizontal furnace**



No ugly, exposed controls. No dangling wires. No protruding burner. Everything completely enclosed in a handsome appliance-styled cabinet. This is the big plus value available only in the gas-fired Reznor PAC.

The PAC is better looking, easier to keep clean. And if your furnace must be located where the children can reach it, the PAC is safer, too.

But, there's more to the PAC than just good looks. It rates at the top for efficiency and economy. And it's the most compact furnace on the mar-

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THE WORLD'S LARGEST-SELLING
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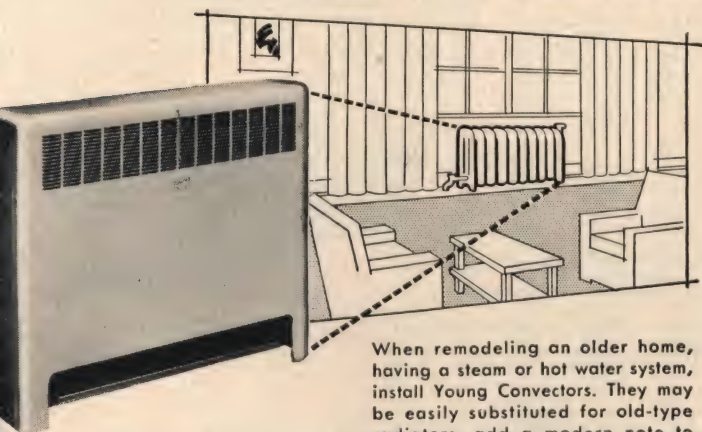
the folding, swinging arm
ere is black; accents are pol-
hed brass, shade is grass-
oth. Approximate retail price
\$20.50.



The graceful pin-up lamp in this study corner provides exactly the right light for any desk job, and it doesn't interfere with the placement of furniture.

New Efficiency For Old Heating Systems

REMODEL WITH YOUNG CONVECTORS



When remodeling an older home, having a steam or hot water system, install Young Convectors. They may be easily substituted for old-type radiators; add a modern note to room decor; provide an amazing increase in heating efficiency and economy. Ask your architect or heating contractor about Young Convectors.

For a free folder giving further details about Young Convectors see the "Yellow Pages" of the telephone book for your nearest Young Representative or write direct.



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You'll get a feeling of luxury from these silent G-E mercury switches. They turn ON or OFF at a touch as light as a feather... without the slightest "click." You'll appreciate, too, the modern design of the matching wall plates... the smooth, polished finish with no dust-catching grooves to clean.

Ask your electrical contractor—he'll tell you how easy it is to install these switches in your present home. Because they are operated by a mercury button, they last much longer than spring types, and they cost only a few dollars more than ordinary switches for the whole house.



WRITE FOR our free booklet on these switches and plates—and the triple convenience outlets that let you control table lamps from the doorway. Attractive, full-color room illustrations, too! Address Section D96-S79, Construction Materials Division, General Electric Co., Bridgeport 2, Conn.

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STEP TO THE CUTLER-HAMMER UNIT BREAKER AND ...



LIGHTS ON!

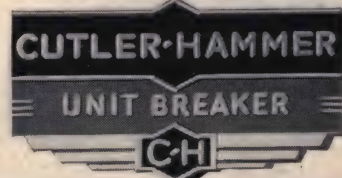
Why tolerate the blown fuse nuisance any longer? Why hunt fuses in the dark... or break off in the midst of preparing a meal to go to the store for the new fuses you forgot to buy? Why stumble down dark cellar stairs and fumble in the old fuse-box wondering what to do? The Cutler-Hammer Unit Breaker ends this annoyance forever. It is installed in the kitchen or any other convenient place. And when service goes off, all you do is reset a tiny lever that has snapped out of position. Nothing to buy... nothing to replace! Service is restored in

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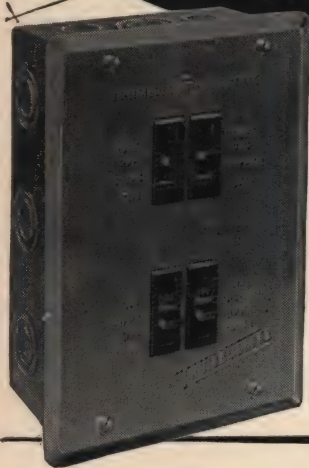
FREE BOOKLET...

Tells facts about new, better home electrical protection. Write TODAY for your copy.





You'll be rid of fuses forever
when you enjoy the
convenience and protection of
TRUMBULLITE
LOAD CENTERS



When you plan that new home of yours, make the most of electrical convenience. Insist on ample circuits ... be generous with the outlets ... and let a Trumbullite Load Center add the modern protection your home deserves!

Eliminates fuses ... the Trumbullite Load Center is equipped with the same Trumbull circuit breakers so widely used for industrial protection. These breakers completely eliminate the nuisance and cost of fuse-hunting and fuse-replacement.

Complete protection ... when a short circuit or dangerous overload

occurs, the breaker instantly trips to stop the flow of current.

Easy to restore circuit ... when cause of the short circuit or overload has been removed, a flick of the handle is all that is needed to have the circuit back in service. To save you steps, the Trumbullite Load Center can be installed right in the kitchen.

Ask your architect, builder or contractor about this safe, modern, practical way to control the distribution of electrical current in your home that adds so much in convenience at so little additional cost.

... and send coupon for your free copy of "Electricity and Your Home." to Trumbull Components Department, General Electric Co., Plainville, Connecticut.



GENERAL ELECTRIC

Trumbull Components Department, General Electric Co.
Dept. S., Plainville, Connecticut

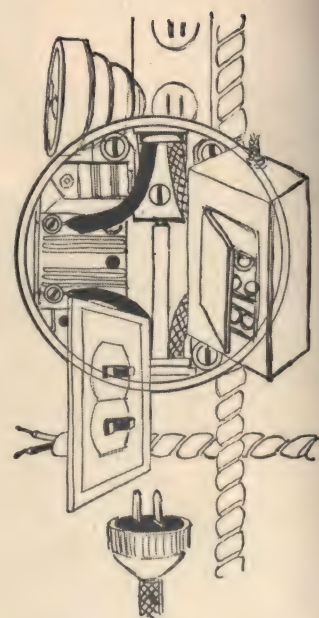
Name

Street and No.

City Zone State

ADEQUATE WIRING

a *must*
for your
home



The flow of electricity in wires can be compared to the flow of water in pipes. The amount of water available at any given point is determined by the size and number of pipes in use. Similarly, the amount of electricity which is available for use in your home is determined by the capacity of your electric service-entrance equipment and the number of branch circuits which must carry current to each outlet.

Your electric service entrance comprises two important parts.

First, the *service-entrance wires* which connect your house with the outside power supply. The size of these entrance wires determines the amount of electricity which can be brought into your house at one time.

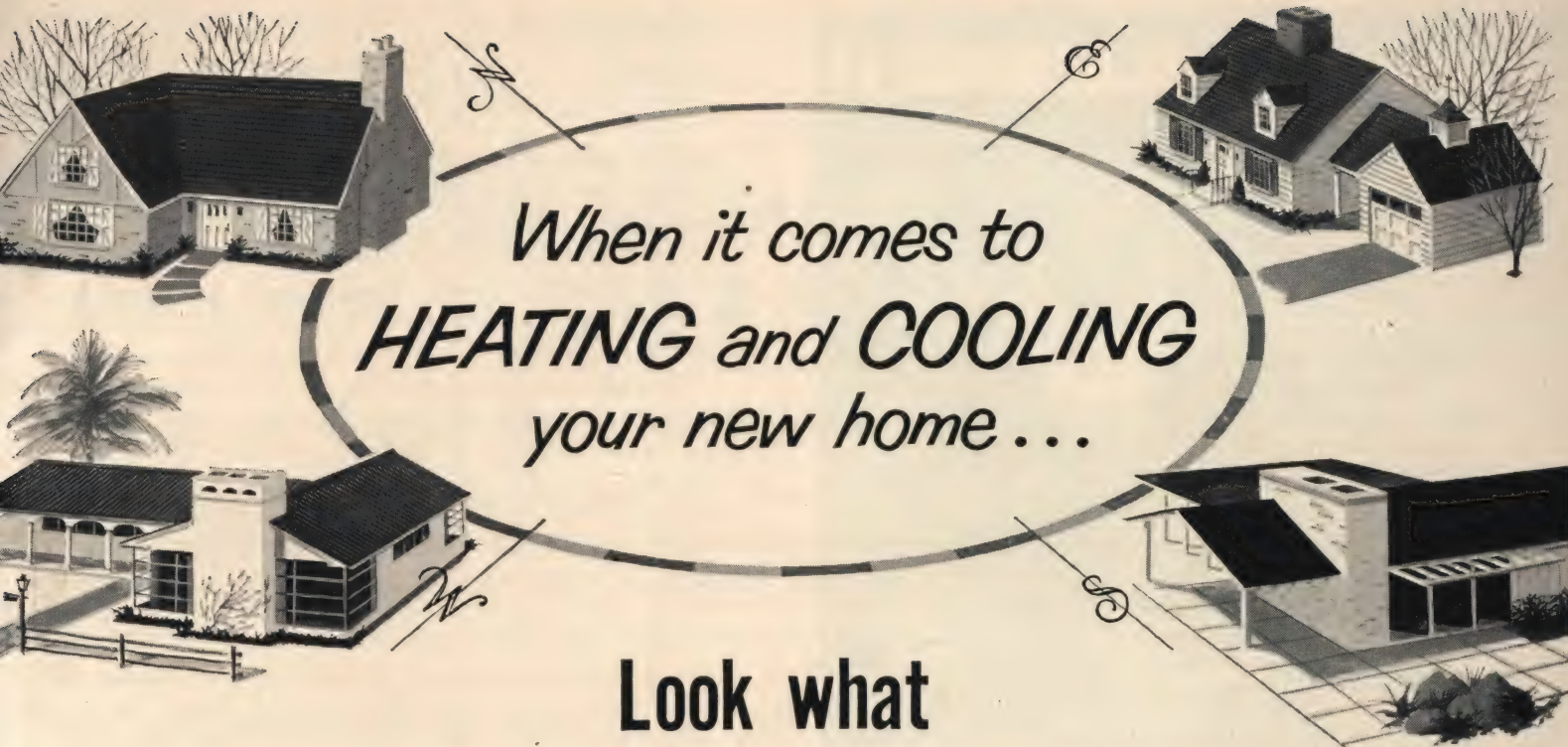
Second, the *service-entrance equipment*, known as the main switch and fuse or circuit breaker, serves as the junction point from which electricity is dispatched on its various duties throughout the house. It is important that this equipment be adequate to carry any load that might be called for by lighting and household electrical equipment. If the service-entrance equipment is inadequate, it will restrict the maximum flow of electricity available from your service-entrance wires.

Rewiring May Be Necessary

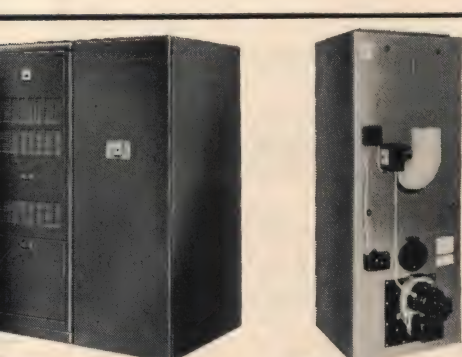
As frequently occurs in inadequately wired homes, addition of a single new major electrical appliance may make it necessary to rewire the service entrance. It is much wiser and far less expensive to put in a service entrance of large enough capacity when your house is being built.

Requirements Easy to Find

It is easy to determine the necessary capacity of your electric service entrance. A standard rule-of-thumb method is to use the estimated square footage of your home as a guide in selecting the proper capacity of your service-entrance wires and service-entrance equipment. In general, the larger the house, the greater the electrical capacity required. Table A will help you make your selection. As a means of double checking yourself, list all the major equipment which you have in your house or intend to add. Total the wattage of all this equipment and check it against

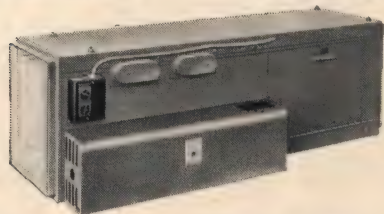


SUNBEAM winter and summer AIR CONDITIONING by American-Standard can do for you!



BOVE: Left, Wyandotte gas fired winter air conditioner. Right, May-air summer air conditioner...the next year 'round air conditioning system money can buy!

WINTERLINE counterflow air conditioner for gas or oil. For basementless homes. Can be installed in closet or utility room.



PAWNEE gas fired horizontal winter air conditioner. For attic or under-the-floor installation. Also available for oil firing—the Olando (not shown).

That new home you're planning is one of the biggest ventures in your life, isn't it? Sure, it is! So, why not put the kind of heating and cooling equipment in it that will *make* and *keep* it wonderfully livable... always!

A SUNBEAM year 'round air conditioning system will keep every room uniformly warm and comfortable in winter, and in the hot summertime it gently circulates cool, clean, dehumidified air throughout the home.

If you're a typical homebuilder, you can include a modern SUNBEAM Winter Air Conditioner and a matching SUNBEAM Summer Air Conditioner in your building plans... and still stay within your budget. For central air conditioning adds only pennies a day to your home investment.

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the floor... in homes of any style or size... and for the most economical fuel available. And you can be sure that your selection will give you lasting satisfaction. For the SUNBEAM line is made by American-Standard—the world's largest manufacturer of top quality heating equipment.

FIND OUT HOW EASY it is to have winter air conditioning... and how practical it is to include summer air conditioning in your building plans at the same time. Your American-Standard SUNBEAM retailer will be glad to give you a free estimate. You'll find his name listed under "Furnaces" or "Air Conditioning" in the Yellow Pages of your phone book. Why not call him now?

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Please send me your colorful Home Booklet.
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I am building a new home ☐
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If you live in Canada, send to Standard Sanitary & Dominion Radiator, Ltd., Box 39, Station D, Toronto.


don't put up with **BLACKOUTS!**

When the electricity goes off, don't blame the fuse or circuit breaker. They protect you from hazard. Blackouts probably mean your wiring is overloaded.

But you needn't put up with blackouts, blinking lights and unsafe, unsightly tangles of cords. Learn how to avoid these annoyances and get convenience, comfort, efficiency and economy from your lights and appliances.

Send for the National Adequate Wiring Bureau's profusely illustrated, 24-page color booklet which tells you

How To Get The Most From Your Home's Electric System

Send 15¢ in coins or stamps to: 

THE NATIONAL ADEQUATE WIRING BUREAU — Dept. GS-4

155 East 44th Street, New York 17, N. Y.

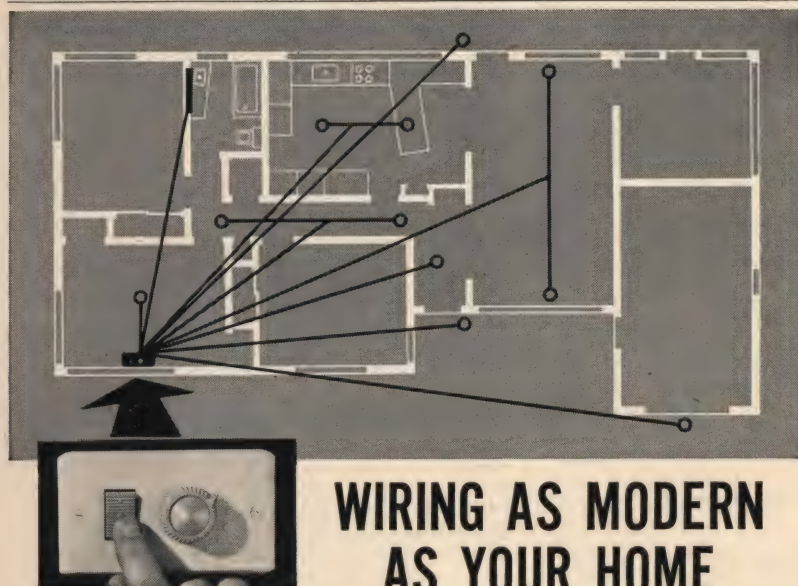
Please send me the booklet about Adequate Wiring, I enclose 15¢.

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WIRING AS MODERN AS YOUR HOME

Be sure a General Electric remote-control wiring system is included among the built-in comforts of your new home. With this modern wiring system, you'll get conveniences such as the selector switch shown above.

This switch, located wherever you want it, enables you to control every important outlet or light in your house—individually or all at once.

It's just one of the features of G-E remote control . . . features that not only save you steps every day, but add value to your house for years to come.

Best of all, G-E remote control is economical for homes of any size and price. For a free booklet describing G-E remote-control wiring, write to: Section D 124-S79, Construction Materials Division, General Electric Company, Bridgeport 2, Connecticut.

You can put your confidence in—
GENERAL  ELECTRIC

ADEQUATE WIRING

Table B. If the total is less than the maximum amount of wattage allowable for a house of your size, the recommended service-entrance wire and equipment capacities are large enough.

After electricity has entered through your electric service entrance, it passes into the branch circuit box. From there, a number of smaller wires called branch circuits carry electricity all through the house, just as the plumbing pipes carry water.

When pipes are too small to supply all the plumbing fixtures, you sometimes get only a trickle of water at some outlets. Similarly, when too many appliances draw from the same circuit, electricity can only trickle through to them. When there are sufficient circuits, appliance operation is efficient and economical.

The most dramatic evidence of overloaded branch circuits is seen when a fuse blows or a circuit breaker trips open. This happens when too many lights and appliances are using electricity from one branch circuit at one time. Each branch circuit has its own protection in the form of a fuse or a circuit breaker in the branch circuit box, right where the branch circuit begins.

You can use the same yardstick for estimating the right number of branch circuits that you used for estimating the correct size of your electric service entrance. Take the square-foot area of your home, together with a list of the major electrical equipment you own or plan to buy during the next several years. With this information, and by referring to Table C, you can quickly estimate how many general-purpose branch circuits,

TABLE A

Electrical Capacity in Relation to Floor Area

| Floor Area (Sq. Ft.) | RATING OF SERVICE EQUIPMENT (amperes) | | | |
|-------------------------|---------------------------------------|---------------------|---------------------------|------|
| | Service Entrance Conductors | Circuit Breakers | Switch and Fuse Switch | Fuse |
| up to 1,000 | 70 | 70 | 100 | 70 |
| 1,000 to 2,500 | 85 | 90 | 100 | 90 |
| 2,500 to 3,000 | 95 | 100 | 100 | 100 |

small-appliance branch circuits, and individual branch circuits are adequate for you.

If you are planning a new home, be sure to plan for a couple of spare terminals in your branch circuit box. Then, when you add equipment later, you will be saved the expense of buying and installing additional boxes for the extra circuits.

The service capacities provided for in the table above are sufficient to supply lighting, portable appliances, a range, a water heater, plus any of the appliances listed in Table B, provided they add up to no more than 4,500 watts extra in the case of the 1,000 sq. ft. house, 6,000 watts extra for greater areas.

(continued on page 218)

Air-Cooled

Marvair

Air Conditioner

**...cools entire home
for little more
than cost of 1 or 2 window units!**

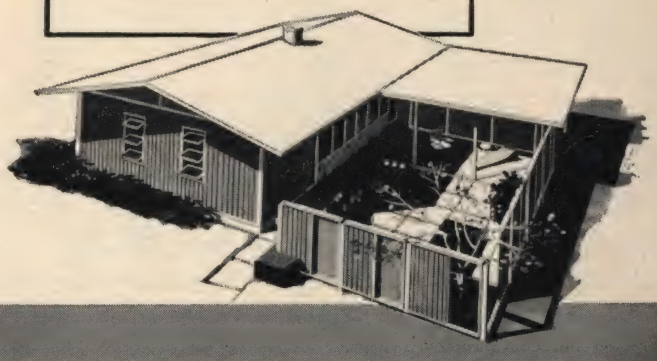


Look at these Features:

- Unbelievably low first cost and operating cost
- Air cooled—uses no water, needs no plumbing
- Fits any one-story floor plan with central hall
- No ducts—may be used with any type heating
- Takes up no floor space—installed in attic
- Amazingly quiet and economical in operation
- Designed to conform to all FHA-VA requirements

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through your local
architect and builder for
new homes or remodeling.

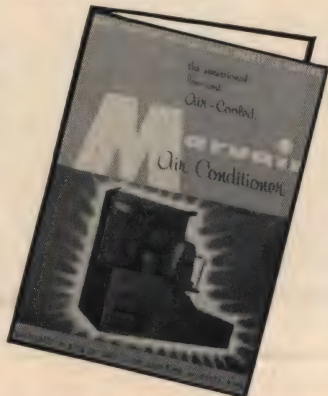


Now you can have your entire home air conditioned with marvelous MARVAIR, at incredibly low first cost and operating cost. MARVAIR saves at the start by eliminating costly ducts and plumbing . . . saves every month by using no water. Ask your architect and builder about MARVAIR, the revolutionary air-cooled air conditioner.

MARVAIR saves valuable floor space, too. Being installed in the attic, in area usually wasted, this unique air conditioner occupies none of your precious living area. It is up and out of the way at all times.

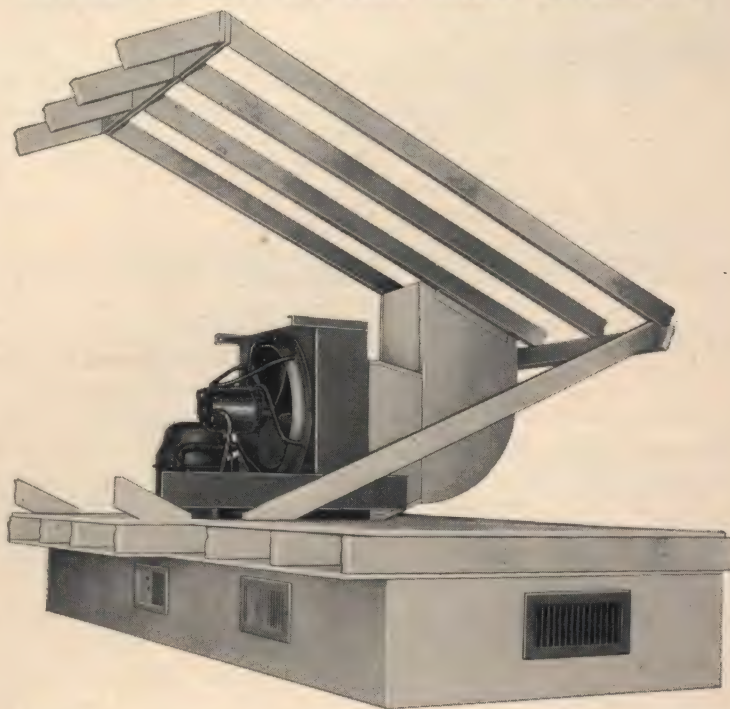
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Get the whole thrilling MARVAIR story—see how easily and economically this wonderful new health and comfort feature can be included in your home planning. Address MARVAIR Div., Muncie Gear Works, Dept. SH1, Muncie, Indiana.



CONVENTIONAL BUILDERS—Get Details! MARVAIR's sensational low cost can give you a real sales advantage. Air conditioning is becoming a must in every price range. Write or wire today.

OPERATES ON ENTIRELY NEW PRINCIPLE!



MARVAIR circulates cooled air through grilles in dropped center ceiling, which acts as dispersal chamber. Return air is drawn in through central opening in hall to be cooled and dehumidified. Temperature of air in home is automatically controlled by a thermostat. A daring innovation in air conditioning—but it works!

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MUNCIE GEAR WORKS, INC.
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Beautycraft CURV-LINE KITCHENS

The one and only Curv-Line styled kitchen in COLOR!



Kitchens of Steel for Lasting Appeal

Brighten your daily life with cheerful modern color in your kitchen! Six prized House & Garden colors, as well as warm Beautycraft white, are available in finest enamels that are baked on to stay on . . . to make your Beautycraft kitchen both enduring and unique.

Lighten your kitchen chores with the work-saving, step-saving, time-saving features cleverly built into Beautycraft "idea" units . . . with the added efficiency of the free kitchen plan prepared expertly and expressly for you by your Beautycraft stylist. Consult your phone book's Yellow Pages, or write us, for his name.

Heighten the value of your home, new or old, with matchless Beautycraft quality in your kitchen! Surprisingly, your investment in a Beautycraft kitchen . . . with its finer all-steel construction, its clean rounded lines, its wider selection of cabinets, features and accessories . . . is equivalent to the cost of an ordinary kitchen. Investigate before you install!

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A few exclusive distributor and dealer franchises available.

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Dept. 114, 2215 Russell St., Baltimore 30, Md.

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ADEQUATE WIRING

TABLE B

Power Consumption of High-Wattage Appliances

| | |
|--|------------------|
| Mechanism for fuel-fired heating plant | 800 watts |
| Dishwasher-waste disposer..... | 1500 watts |
| Waste disposer alone..... | 500 watts |
| Automatic washer..... | 700 watts |
| 230-volt electric clothes drier..... | 4500 watts |
| Home freezer..... | 350 watts |
| Water pump..... | 700 watts |
| Built-in bathroom heater (how many?) | |
| Each 1000— | 1500 watts |
| Automatic toaster..... | 1100 watts |
| Coffee maker..... | Up to 1100 watts |
| Television..... | 300 watts |
| Refrigerator* | 150 watts |
| Automatic hand iron..... | 1000 watts |
| Portable heater..... | 1000 watts |
| Electric bed cover..... | 200 watts |

(These are average wattages. The wattage shown on your own equipment may differ slightly from these; or your equipment may be rated in amperes. However, the figures above are close enough to be used in estimating.)

*Each time your refrigerator starts, it takes several times this wattage just for a short period. This is why you sometimes notice the lights dim when the refrigerator starts to operate.

TABLE C

GUIDE TO CIRCUIT REQUIREMENTS

General Purpose Circuits:

One circuit for each 500 sq. ft. of floor space.

Small Appliance Circuits:

In homes up to 1,500 sq. ft.: two circuits, each supplying some convenience outlets in kitchen, laundry and dining areas.

In homes over 1,500 sq. ft.: three circuits, one supplying convenience outlets in kitchen and dining areas, one supplying convenience outlets in laundry, and one supplying some outlets in both kitchen and laundry.

Individual Circuits: (provide one separate circuit for each)

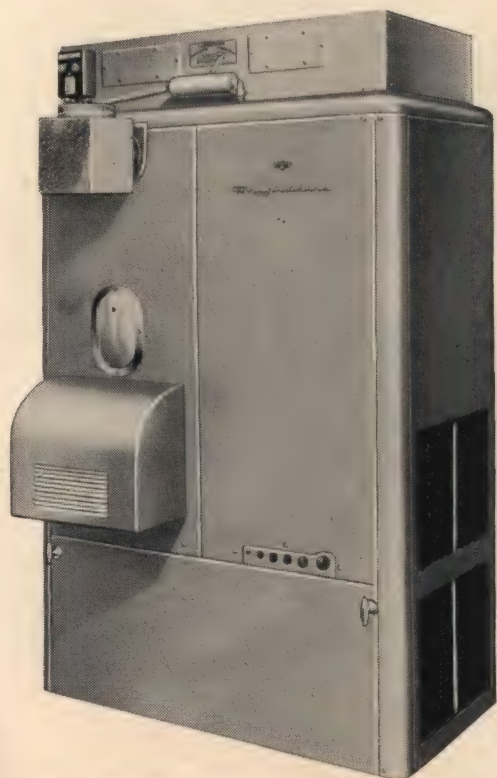
- Automatic heating plant (regardless of fuel to be used)
- Electric range (larger circuit needed if it is double oven)
- Dishwasher-waste disposer (one circuit serves both)
- Electric water heater
- Automatic washing machine
- Electric clothes drier
- Summer cooling fan (attic)
- Air-cooling unit
- Home freezer
- Built-in bathroom heater
- Workshop or workbench

When it costs so little... **why not enjoy a**
"One-Temperature Home" all year 'round!



New Year 'Round FRIGIDAIRE Conditioner

COOLS in summer, HEATS in winter



Year 'Round Frigidaire Conditioner combines furnace and cooling section into one compact unit, 46" wide; 33½" deep; 76" high.

Put weather worries right out of your mind with a Year 'Round Frigidaire Conditioner. And the savings you can effect in construction may often help to pay for the cost of this unit. This is because many expensive construction features, formerly needed for comfortable summer living, can be forgotten.

More freedom in home planning. See your architect. He'll tell you how you can eliminate many design compromises that non-air conditioned home builders are forced to accept. Forget about cross ventilation, place windows for best view rather than prevailing breezes, arrange rooms just the way you want them.

Designed for efficiency, economy and lifetime carefree comfort!

The Year 'Round Frigidaire Conditioner is a compact central unit for forced warm air heating with oil or gas, and cooling by refrigeration. Includes filtering, air circulation and humidity control.

FREE! Get the latest facts on Frigidaire Year 'Round Air Conditioning! Learn how you can have a "one-temperature home"—spring, summer, fall and winter. Send today for free, illustrated folder containing complete facts, specifications, etc. Write: Frigidaire, Dept. 13, Dayton 1, O. In Canada, Toronto 13, Ontario. Or call your nearest Frigidaire Dealer.

FRIGIDAIRE Conditioners



BUILT AND BACKED BY GENERAL MOTORS

Decorating with Shutters

here is low-cost elegance for your home



As closet doors, shutters permit ventilation of closet interiors, thus prevent mustiness. Here, use of two sizes produces interesting pattern.



As dress for windows of a bedroom furnished with Provincial pieces, shutters are unsurpassed. They may be used with or without draperies, as shown.



Shutters, long used as exterior trim, have moved into the house! Attractive and long-lasting, shutters can easily be adjusted to control light and air . . . it's no wonder that homeowners have taken them to their hearts for use in many different areas. Best part of all is that ready-made indoor shutters are available in a tremendous variety of sizes and dozens of colors, including a number of wood tones—and their price isn't prohibitive. They can be used as doors or room dividers or on windows.

Easy to maintain—they can be wiped clean with a damp cloth—shutters make a pretty and practical window treatment for a child's bedroom or playroom.

DECORATING-FURNITURE SECTION



This arrangement serves two purposes—shutters enhance the appearance of the dining area and act as a window covering.



Want a *different* wall treatment? Use of shutters on a closet wall instead of the more conventional regular doors will do the trick.



First cousin to the movable shutter is the stationary louver or jalousie which ventilates but is not adjustable. Louvered double doors are used here to separate hall from foyer.



A series of small shutters hinged together add interest to a long, narrow window. Panels fold back easily to admit maximum daylight.



Combination of louvered upper section and a paneled lower section creates a handsome Dutch door in keeping with the Colonial decorating theme of this room.

PROTECTION BEGINS

ON THE OUTSIDE

WITH

aluma kraft

ALL ALUMINUM AWNINGS



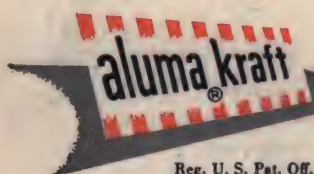
Imagine your house without muddy foot prints . . . your doorway protected from driving rain . . . your rugs, draperies and furniture kept free from the sun's harmful rays.

Insure your home with Aluma Kraft all aluminum awnings. Notice how this beautiful door canopy protects your family and friends when entering or leaving your home.

Yes, protection begins on the outside.

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Aluma Kraft Standard Awnings with scalloped edges are also available to protect and beautify your windows.



You can leave your windows open without worry about your furnishings being spoiled by sun or rain.

Don't Spoil Your Outlook!

If you have ever driven along a street lined with new homes, you've probably glanced at the picture windows and noticed that, almost all of them frame the same object—a table lamp. Perhaps you've vowed you won't blot out the view through the picture window in *your* new home with a large lamp . . . and then wondered just what furniture you could choose to make use of that space. Manufacturers are now producing furniture designed for such areas. Low, sleek lines distinguish most of these pieces.



A desk with a smooth slab top, such as this one, is frequently a good furniture choice for the picture window wall. A small lamp is necessary here.



Low benches add convenient, extra seating space to any room, fit beautifully below a picture window. Without pillows, this unit could serve as a coffee table.



A pair of tables which interlock at right angles is a unique design suitable for use near ceiling-to-floor windows. (continued on page 224)

Really modernize your home . . . install the new **BILT-WELL** AWNING WINDOWS AWNING, HOPPER AND STATIONARY UNITS FOR MULTIPLE-USE

WEATHERTIGHT— Fully equipped with anodized aluminum weatherstrip. Rigid laboratory tests prove the Bilt-Well Awning Window extremely weathertight—will efficiently withstand infiltration of rain, air, dust and dirt.

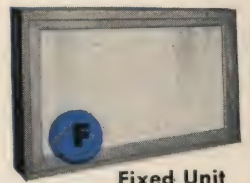
VERSATILE— The Bilt-Well Awning Window may be installed as a "swing out" awning window, a "swing in" hopper window, or as a casement. It may be used in ribbons, stacked in various heights or widths, or in combination with picture windows.

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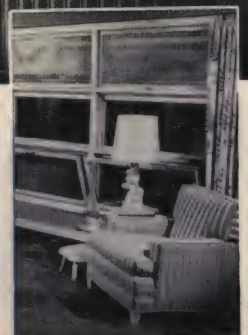
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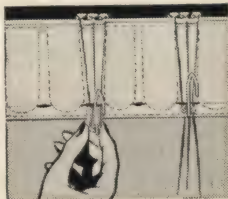
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JUDD Drapery Fixtures
decorator-styled

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DON'T SPOIL YOUR OUTLOOK!

(continued)



Marble, currently tops in popularity, is combined with a wrought-iron frame to form a bench that may be used successfully in front of a picture window, for it doesn't obstruct the view.



What better place for a game table and chairs than in front of the window! Such placement offers two advantages: natural light on the game board, an uncluttered window that is attractive from inside and out.

If you do want to use a table in front of the window, a long one like this will allow you to place a lamp at one end—a more intriguing visual treatment.



A series of comfortable, individual seats, identical to each other, can be grouped together to fill otherwise wasted wall space between floor and picture window.



Traditional modern style. Hide-A-Bed in persimmon mohair frieze. (Also in gray, moss green, beige and dark green.) Full size \$359. Apt. size \$349. Convenient payments can usually be arranged.

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Compare with any sofa bed. Only **HIDE-A-BED** offers you a famous **SIMMONS** mattress!



ency style in green floral material. Also in cocoa, red, gold and gray. \$250 with Deepsleep* mattress. Beautyrest mattress only \$20 more.



Single-size in persimmon tweed, also in moss green, charcoal, beige, gold, turquoise. \$219.50 each with Deepsleep mattress. Beautyrest \$20 more.



Low-backed Tuxedo style in charcoal bouclé. Also in silver, gold, cinnamon, brown, coral and moss green. Full size \$229.50. Apt. size \$219.50.



Sectionals in gold antique satin (and many other fashion fabrics). Twin beds! With Deepsleep mattress about \$229.50 each. Beautyrest \$20 more.

HIDE-A-BED sofa and **BEAUTYREST** mattress made only by **SIMMONS**, the greatest name in sleep.

For full-color decorator booklet "14 Ways to Make an Extra Room" send 25¢ and address to Simmons Co., Dept. K-4, Merchandise Mart, Chicago, Ill.

Sliding glass doors make the spacious, shaded terrace easily accessible from the living room and dinette. Wrought-iron furniture lends itself to informal living.



Decorating *is as important as your blueprints*



High windows in the master bedroom afford plenty of unbroken wall space for furniture placement. Luscious shell-pink tones used throughout the room were inspired by the pink marble tops on the ebony modern furniture.

an SHG architect and a decorator join talents to produce a house anyone would want to call home



The circus motif of the child's room would delight any youngster. Clowns, circus dogs and balloons which adorn the pale blue walls are hand-painted designs. Natural birch furniture gives a feeling of lightness to the room.

One glance at Architect Rudolph A. Matern's Design No. 1323A which appeared in last issue's Design section, and it's easy to see why the plan has been so popular with SHC readers.

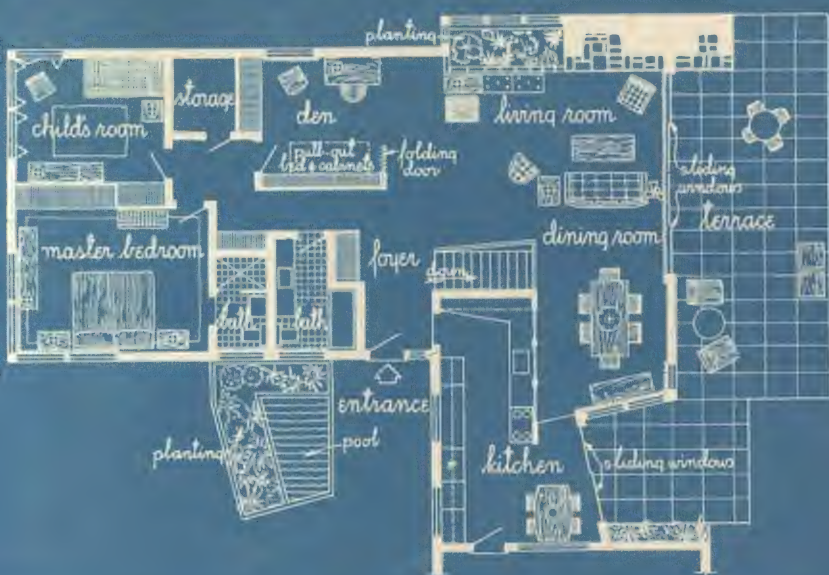
Thoroughly contemporary in character, the house typifies the kind of dwelling that most prospective homeowners want today—living areas flow freely into one another, creating a feeling of spaciousness; storage space is plentiful; materials call for a minimum of upkeep; window expanses make the interior light and cheerful; outdoor areas invite casual, relaxed living.

But, like any other house plan, this one calls for the right

(Please turn the page)



Most unusual feature of this house is the huge planting box which extends from the basement recreation room to the living room above. Bright colors reflect the spirit of the recreation room, furniture is comfortable, good-looking.



The prize-winning house which appeared in the 31st Edition of SHC, has a strikingly modern exterior. Vertical siding stained redwood and hand-split cedar shingles painted a soft blue-green pick up the landscape's colors.



Nature's colors were the inspiration for the interior décor of the house. Upholstery fabrics used in the living room and den beyond are light and bright—cocoa, deep aqua, tangerine and gold. Contemporary style furniture harmonizes with the lines of the house.



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CARPETS AND RUGS

...MAKE A HOUSE A HOME

SONNET...all-wool, rich pile carpet. Available in eight floral and leaf patterns. Ideal for the discriminating in taste and for those with an innate sense of decorative values.

Shown in the background, English Garden on Lyric Green. In dining room, Twilight Foliage—multi-colored. In living room, Georgian Floral—Cay Beige. All in 27 inch, 9 and 12 foot widths.

SEND 25¢ FOR YOUR MAGEE DECOR-RAMA KIT TO THE MAGEE CARPET COMPANY, DEPT. SH, BLOOMSBURG, PA.

Decorating



Folding door and drop-down bed built into a wall cabinet make it possible to use the den as a bedroom.



Living-room furniture, light in scale, is grouped to face the planter and fireplace—focal points of the room. The latter area is further emphasized by ceiling spotlights.



Dinette, directly adjacent to the kitchen, is handy for quick family meals. Table has birch top, wrought-iron legs. Ceiling fixture is adjustable to different heights.



The kitchen features the latest designs in work-saving equipment. Natural birch cabinets, aqua plastic counter-tops are handsome, require minimum maintenance.

decorating and furnishings to bring out the best in it, to make it come alive and be a comfortable home instead of a mere structure.

When the house, now built on Long Island, New York, was still in the blueprint stage, Miss Beatrice West, nationally famous decorator, began planning its interior—choosing colors, fabrics and furniture styles—and determining furniture arrangement to complement and harmonize with the design.

Architect Matern's inspiration for the plan was the popular indoor-outdoor living theme; Miss West followed this theme when she made her home-furnishing selections, choosing nature's earth tones as the basis for her color plan.

The living room, den, dining room, dinette and kitchen of the house are all virtually one room, separated from one another by angles and dividers which disappear into the walls.

Colors Preserve Effect of Spaciousness

In order to preserve the feeling of spaciousness created by such a plan, Miss West selected different tones of one color—brown—for walls, draperies and floor coverings. This treatment provides a subtle background for other furnishings in these areas.

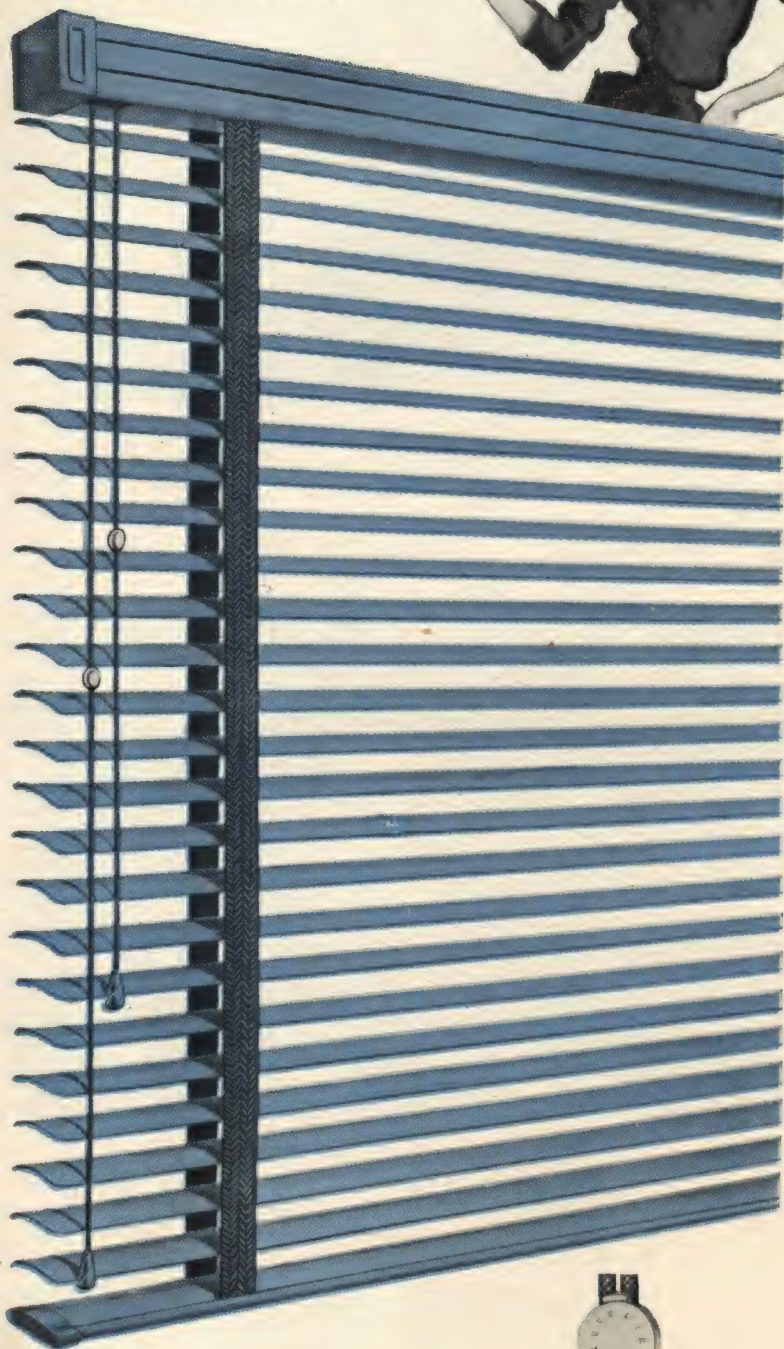
Carpeting in the living-dining room is cinnamon brown; the vinyl tile floor covering used in the kitchen and dinette is a light redwood color. Walls are painted a soft pebble tone, save those in the den—antique-finished oak paneling forms one wall of the latter room; the other two are painted bright peacock blue, a delightful contrast to the pebble shade.

Sheer draperies, used to screen the large sliding glass doors separating the living room from the terrace, are a paler version of the pebble color used for the walls. This sheer fabric, which extends from ceiling to floor, provides privacy for the interior

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DECORATING

and softens the daylight without eliminating it, thus preserving one of the architect's original concepts—lots of natural light.

Drapery fabric used in the den is repeated in the dining area; it, too, is a sheer fabric with a lovely botanical print which combines the colors found in the upholstery fabrics.

Miss West decided to leave the window behind the huge, split-level planting box undraped—any additional treatment here would be an anticlimax to one of the most interesting features of Architect Matern's design. Large live plants, which actually rest on a stone window sill a few feet below the living-room floor, grow and—combined with tall dried formations—form a natural design in front of the window.



Miss Beatrice West, nationally recognized decorator who specializes in color planning exteriors and interiors, talks over color plans for the home shown on these pages with two of the contractors.

One wall of the dinette is entirely covered by a blind that can be rolled up easily when less privacy and more light are desired. The blind is a combination of reed and half rounds woven together with wool and metallic threads in tones of cocoa, red-wood and gold.

Contemporary Furniture Used Throughout

Furniture for the living-dining-den area was selected to conform to the contemporary style of the house; it is a good example of the new trend toward elegance in modern furniture design. Pieces in ebony and various shades of walnut are included.

Air conditioning makes the house a natural dirt inhibitor, so Miss West was able to use light, bright colors, as well as pastel shades throughout.

She chose vivid earth tones to go against the muted brown background of the living areas. The sofa-on-legs has a one-piece seat cushion and three loose back cushions, is upholstered with a cocoa-brown, gold-flecked fabric. Deep aqua, the color selected for the armless upholstered chair and bench pads, contrasts pleasantly with the tangerine-colored lounge chair and the gold pads used on the captain's chairs. Since pattern is introduced through architectural features—fireplace, planting box—as well as the draperies, the upholstery is confined to textured effects.

Living-room furniture is grouped toward the focal point of the room—planter box and fireplace—an arrangement conducive to conversation, as well as one which defines the living-room area from that of the den and dining space.

Furniture in the den is both built-in and freestanding. A convenient drop-down bed is built into the wall, concealed by doors

THE HOME SHOWN ON THESE PAGES (Design No. 1323A from the 31st edition of SHG) was built under the sponsorship of the home builders association of Long Island, New York, in a drive to raise funds for a new Long Island hospital. Labor, materials and furnishings were donated by builders and manufacturers. Proceeds from the sale of admission tickets were donated to the hospital fund.

when not in use. Above this unit open shelves provide generous storage space for books and records. Television set is placed at such an angle that it can be easily viewed from the bed when latter is pressed into use as a studio couch. The black desk and captain's chair are an important addition to the den—an area



Architect Rudolph A. Matern, home-planning genius and long-time member of SHG's Board of Architects, designed Plan No. 1323A with an indoor-outdoor living theme in mind. Thousands of people visited the home built on Long Island.

that can be separated from the living area by means of a folding door.

Table, buffet and upholstered chairs in the dining area of this home are characterized by a simplicity of design which gives the space a crisp, uncluttered appearance, serves to emphasize the adjustable ceiling fixture of perforated, polished brass. The kitchen dinette contains a small birch and wrought-iron table, four chairs, and features an adjustable brass ceiling fixture with aspen-slat shade.

In order to create a unified color plan within the living area of Architect Matern's home, Miss West carried the aqua tone used in the living room chair and bench pads into the kitchen—by specifying aqua plastic countertops. This color is a pleasant contrast to the redwood color roll-up window shades and vinyl tile floor, and to the natural birch cabinets.

A nice departure from the vivid colors in the living area is the shell-pink master bedroom. Here, the "Fiber E" rug, Japanese grass-cloth wall covering, bedspread and draperies are pink—the color inspired by the shade of marble which was especially cut to top the ebony furniture. American Beauty red used for the ottoman and toss pillows offers just the right note of contrast to the room's pale scheme.

Again, Miss West achieved a feeling of unity by carrying the colors in the master bedroom to the adjacent bathroom. Walls are a combination of pink ceramic tile and grass cloth, the floor is Norwegian marble. Plumbing fixtures are shell pink, accessories are pink and white.

The basement recreation room is further evidence of the gracious atmosphere achieved when an architect and a decorator work together to produce a livable home. Mr. Matern's original concept—a large, light room with an "outdoor look" designed for casual living—has been preserved through Miss West's use of bright colors and casual, comfortable furniture that is light in scale, perfect for relaxation.

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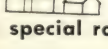
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Fill in the questionnaire below, and send on to us. To the first 500 who respond, we will send a copy of the next (33rd) edition of *SMALL HOMES GUIDE*, with our compliments.

1. I'd like to see house plans calling for a home ofsquare feet of living space, with.....bedrooms,baths, that would cost about \$.....to build.
2. I'm partial to modern design..... 
traditional design..... 
3. I'd like to see house plans with these special rooms (such as family room, den, mudroom, etc.)
.....
and with these special features (such as storage built-ins, open plan, patio, expansibility, etc.)
.....
4. I would like to see decorating ideas to match the house plans, together with photographs of actual homes built from the plans, and room sketches, even if this means fewer plans per issue. Yes..... No.....
5. I would be able to use a personal mail-order decorating service, tailored to the home plan of my choice, by a nationally recognized decorator. Yes..... No.....
6. I would want such a service to include:
 - a) a color scheme for outside.....inside.....
based on my favorite colors
 - b) furniture styles.....
 - c) furniture arrangement.....
 - d) what new pieces I can buy to blend
with what I have.....
 - e) window treatments.....
 - f) samples of fabrics.....carpeting.....
wallpaper....paint colors....other (specify).....
7. I would consider a fair price for such a service \$10 to \$25....
\$25 to \$50....
8. I have bought.....issues of *Small Homes Guide*. I have loaned each copy on the average to.....friends.
I expect to keep my copies as a reference manual until our housewarming.....



here's how you can win a cash prize:

Write us a letter—make it as long as you like—telling us:

- ...Have our architects succeeded in designing the home of your dreams?
- ...If not, where have they fallen short?
- ...How can our Decorating and Furniture section be of more help to you?

... You may win \$100 first prize for the best letter, or one of five \$20 prizes for the next best. Send the questionnaire and letter to: Contest Editor, *SMALL HOMES GUIDE*, 621 N. Dearborn St., Chicago 10, Ill.

(All letters become the property of *SMALL HOMES GUIDE*.)

Eliminate THESE 6 WINDOW CHORES

Dramatic, LOW-COST Window Effects

PELLA MULTI-PURPOSE WINDOWS are designed to give you modern, low-cost window beauty. Use as awning windows next to PELLA picture windows. Place high on the wall for privacy and additional furniture space. Install as window walls, opening in or out. *New UNDERSCREEN OPERATOR* is an *exclusive PELLA design feature*. PELLA MULTI-PURPOSE WINDOWS are completely factory assembled with inside Dual Glazing and screens. Combine for custom-like architectural effects. Send for FREE FOLDER.



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Warmth, color and texture of PELLA WOOD FOLDING DOORS blend with furniture and woodwork. Use for regular doorways, closet fronts and room dividers. PELLA DOORS fold accordion-like against door frame. Every inch of floor and wall space can be used for furniture placement. Solidly built. Complete range of sizes in richly grained pine, oak, mahogany or birch. Order with satin varnish finish applied or ready to paint or varnish. Completely packaged, easy to install. Send coupon for FREE LITERATURE and name of dealer.

- 1 Putting up and taking down screens
- 2 Painting and repairing screens
- 3 Storing screens
- 4 Putting up and taking down "storms"
- 5 Painting and repairing "storms"
- 6 Storing "storms"

Pella WOOD CASEMENTS

with built-in ROLSCREENS and DUAL GLAZING eliminate tiresome, semi-annual window chores. Or, if you have been paying to have this work done, PELLA WINDOWS will save you money year after year. PELLA DUAL GLAZING and STAINLESS STEEL WEATHERSTRIPPING increase the efficiency of heating and air-conditioning units . . . save on fuel and power costs. Stock-size PELLA units reduce window installation costs because they are completely factory assembled. They can be combined into hundreds of modern window arrangements. Before you build or remodel, investigate PELLA. Send for FREE FOLDER.



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DUAL GLAZING — the year-round inside "storm" window also reduces street noises as much as 40%.

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GENTLEMEN: Please send FREE LITERATURE on the following Pella products and name of nearest dealer:

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Pella WOOD CASEMENTS
MULTI-PURPOSE WINDOWS
WOOD FOLDING DOORS
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So easy IT AMAZES ME!

THE MARVELOUS
NEW SCRUBBABLE




FAST. Cut a strip of QUICK to the proper length. Dip rolled strip in QUICK Water Box for 30 seconds...



EASY. Slowly unroll strip and apply to wall...



PERFECT. Plenty of time to match pattern... smooth out by sponging and there's your expertly decorated, beautiful wall.

DO-IT-YOURSELF WALL COVERING

Whether or not you have ever hung wallpaper... whatever doubt you may have about doing a perfect job of wall decoration *all by yourself*... a demonstration by your Birge dealer will instantly convince you of the surprising speed, ease and economy of applying QUICK. No tools, no trimming, no pasting... faster and cleaner... no muss... no fuss... a wide choice of beautifully styled patterns and consumer tested colorings for every room in the house.

You can QUICK-decorate an average bedroom

for as little as **\$9.90;**

bathroom or kitchen **\$6.00.**

Ask for a demonstration at your Birge dealer. Write us for your dealer's name.

THE BIRGE COMPANY, INC.

394 Niagara Street, Buffalo 1, New York

All-washable rooms for children

When toddlers streak the walls with peanut butter or wrestle the cap off the ink bottle and dump its contents—the results can induce a mild hysteria in any normal mother. But imagine being able to get rid of the blobs and smears easily, with soap and water. That would reduce the major catastrophe to a minor irritation, wouldn't it?

In creating a room for a young child, washability should be the keynote. If everything in the room—fabrics and furnishings, walls and floor—can be sponged or wiped clean, or tossed into the washing machine, then relations between mother and child have a better chance to develop harmoniously.

With the materials on today's market, a washable room can be achieved with no difficulty.

For the floor, asphalt, rubber or vinyl plastic tile, or linoleum will furnish a surface that can be washed or wiped clean, and that will be impervious to common staining.

Cotton scatter rugs can complete the floor covering; they can be tossed into the washing machine when soiled.

Walls may be covered with washable paint or surfaced with washable fabric wall covering, available in any wallpaper store. With these materials fingerprints or crayon marks on the wall present no problem.



A girl's room in which curtains and bedspread can be sponged or tubbed. Rugs go into the washer; walls, floor, accessories are all washable.



Streamlined furniture, fiber rug can be sponged clean.

Other excellent wall-surfacing materials are plastic-finished hardboard panels—either in simulated wood or a variety of plain colors—and plywood or solid wood paneling.

Better yet, provide the children with a washable writing or scribbling wall. Two types of paint on the market—one black, the other green—can transform a wall into a blackboard that will take chalk and crayon, erase to be used again. For a thorough cleaning, all that's needed is a damp, sudsy cloth.

Children's furniture can be had in a variety of spongable finishes. Plastic table tops can be wiped free of grimy handprints, crushed crayons and other smears.

A quilted plastic bedspread is perhaps the most ingenious way to balk the child's anticleanness crusade. Even if little ones so far forget themselves as to run over the bed with their shoes on, they can do no harm that can't be undone with soapsuds and sponge. You can wipe the spread clean without removing it from the bed.

Plastic material can be used for window curtains, too.

A bit of judicious planning, and you can surround the small fry with a room that will challenge them, "Get me dirty. Go on—I dare you!"



Sponge, suds, clean this birch-finish nursery table. Note "scribbling wall" in background.

Cushman

Colonial Creations



NO. 5450S BED
NO. 5459 NIGHT STAND
NO. 5455 DOUBLE DRESSER
NO. 5467 MIRROR

Fine Hand-Rubbed Adaptations Feature Early American Motifs

The Bar Harbor Group . . . This distinguished new series by Cushman features a gracious blending of Early American motifs. Note spindle footboards on beds . . . chests with wooden handles traced from cleats of old sailing ships, and slight "Garrison" overhang of top drawers. Overhang is also used for the bookcase headboard bed, illustrated below.



NO. 5454 CHEST

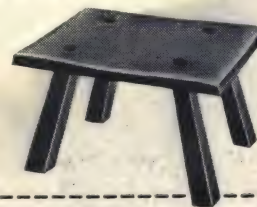
Cushman Colonial combines timeless beauty of authentic design with superb construction. Start your collection now, with the beautiful Bar Harbor Group for your own bedroom.

Colonial Cricket Stool 13" x 9" x 8" high, maple-finished and hand-pegged. Offered at a fraction of its value to show you the construction, finish and craftsmanship of Cushman Colonial Creations.



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New illustrated 32-page booklet, "At Home In Every Setting." (For booklet only, send 25¢.)

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☐ Enclosed find \$3.95 for footstool (add 25¢ if West of Mississippi), including FREE—"At Home In Every Setting."
☐ Please send me "At Home In Every Setting." Enclosed find 25¢ in coin. No stamps, please.
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Painting and Papering Schedule

BY JEANNETTE ANICKA



Nothing dangles from ceiling

Kirlin BUILT-IN SYSTEM *Lighting*

For a Prettier Light From Above

Furniture and fabric look their best when lighted, as Nature does it, from above. KIRLIN—the original built-in lighting fixture—gives a diffused, adequate light over the entire room.

Your architect and electrical contractor know installed cost is less and will recommend them for every room in your home.

THE GENUINE BEARS THE NAME Kirlin

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Why You Should Insist on KIRLIN

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- Spread-type lens, stay clean
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- Use with fluorescent or incandescent lamps
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Decorator Knobs by Amerock

Add your own special decorative flourish—handsomely individualize your home with smart, new Decorator Knobs. Use in many interesting ways to beautifully highlight your cabinets, built-ins, furniture.



Harmonize with any room, any material. Use Satin Chromium knob shown for painted surfaces. For natural woods, choose Satin Copper with Brass ornament and backplate. 2" and 2½" sizes.




Get your copy of the new folder showing Decorator Knobs in actual color, full size. Gives tips on how to use for adding striking accents and "conversation pieces" throughout your home. Ask your Amerock dealer or write.

Amerock Dept. SHG-44
AMEROCK HARDWARE, ROCKFORD, ILL. • MEAFORD, ONT., CANADA

Too many times new homeowners, who have spent hours carefully selecting wall and ceiling colors and materials, are disappointed with the finished rooms simply because they have failed to give the workmen accurate instructions.

In many cases, verbal misunderstandings are responsible for these disappointing, costly mistakes. The homeowner who cannot afford the time necessary to supervise painting and papering may quickly give instructions regarding what is to be done, then later return to find that an alcove has been papered instead of painted, or that paint has been mixed to match the wrong fabric.

Inaccurate samples are often responsible for putting a well-planned decorating scheme awry, too. Painters are frequently instructed to match paint to small samples of wallpaper, carpeting or drapery fabric before the actual materials arrive. Dye lots of fabrics and different runs of wallpaper often vary slightly. This normal variance means the actual materials may differ somewhat in color from the samples—often just enough so that the already painted walls don't match.

There is a way to avoid these errors. By making up room schedules for the painters and by having all actual materials on hand before work is begun, you will stand a much better chance of getting the colors and effects you want for the rooms of your home. If you give the workmen written instructions, they will have no alternative but to decorate the rooms correctly, even if you can't supervise the job at the time it is being done. Such instructions make it easier for them, too—they can look over all of them, then lay out their work in the most efficient way.

Make a schedule for each room, clearly specifying the following according to direction—north, south, east and west walls:

Parts of the room to be painted, including closet and cupboard interiors.

Parts of the room to be papered, including closet and cupboard interiors.

Points at which one color or material should be terminated and the next started.

Doors and woodwork to be painted.

Doors and woodwork to be left natural.

For rooms in which you want only a paint color matched, supply a color-chip sample with the room schedule. A point to remember here: Colors appear lighter in small areas than they do in large areas, so the over-all color effect of the room will be somewhat darker than the sample.

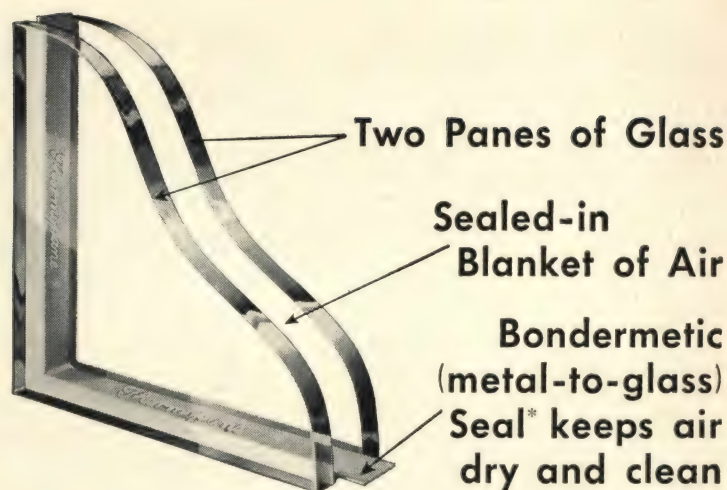
In rooms where paint is to be mixed to match wallpaper, drapery fabric or carpeting, make sure that the actual materials are delivered before the painter begins his work. Then take a generous sample of wallpaper from one of the rolls or a sample of drapery fabric from the bolt, depending on which is to be matched, and attach to the room schedule. (If you are having draperies made by the store at which you purchased the fabric, ask the salesperson to supply a piece of fabric from the bolt that will be used.) If carpeting is to be the color guide, unroll enough so that a good-sized piece is exposed.

In cases where the kitchen or bathroom floor covering or countertop is to be matched, supply a piece of the linoleum or tile or a piece of the countertop material with the room schedule.

If your "match-to" sample is a print, be sure that you give instructions regarding which color of the print is to be matched.

Post each schedule in the proper room, explain the idea to the painter, and you will be ready to give him the go-ahead signal.

What Price Home Can Afford *Thermopane*?



A logical question, since *Thermopane** insulating glass is an outstanding feature of many expensive homes.

But it's going into moderately priced homes, too. Not just here and there—but all over the country. Not just in picture windows, either; many builders are putting *Thermopane* in every window of homes in the \$12,000 to \$15,000 class.

Thermopane costs more than single glass, of course. There's twice as much glass, plus a metal seal to keep dirt and moisture out of the air space between the panes. With *Thermopane*, you don't have to buy storm sash. That's a saving. And of course, it cuts out the job of washing, putting up, taking down and storing extra sash.

Remember, with *Thermopane* in your original windows, the cost is included in your initial financing. It's an investment that will pay off for years to come in heat saving, work saving and comfort. *Thermopane* insulating glass will keep your home:

WARMER IN WINTER . . . COOLER IN SUMMER . . . QUIETER ALL YEAR . . . without ever a bit of work, because *Thermopane* makes windows self-insulating.

Want more information? Write for our booklet "Self-insulating Windows of *Thermopane*". Or see your L·O·F Glass Distributor or Dealer. Look him up in the yellow pages of your phone book. Libbey-Owens-Ford Glass Co., 1444 Nicholas Building, Toledo 3, Ohio. *®



THESE MODERATELY PRICED HOMES FEATURE *Thermopane* IN EVERY WINDOW

\$11,290—*Thermopane* will save money on fuel for the owner of this house. And he'll enjoy greater comfort summer and winter. Other features: Three bedrooms, landscaped lot, oil heat, large basement. Builder: R. G. Dunbar, Inc., Toledo, Ohio.



\$15,000—This house will be more comfortable and more economical to operate because *Thermopane* is in every window. And *Thermopane* would add to its value if ever sold. Other features: Spacious living room, three bedrooms, carport, sheltered patio. Builder: Fonde & Bartling, Knoxville, Tenn.



\$25,000—These brick and stone houses feature *Thermopane* in panel window frames. Panel windows provide an economical method of using standard sizes of *Thermopane*. They can be used in frames which take a single *Thermopane* unit, or large windows with as many as nine units, either fixed or in ventilators, as desired. Builder: L. I. Combs & Son, Gary, Indiana.

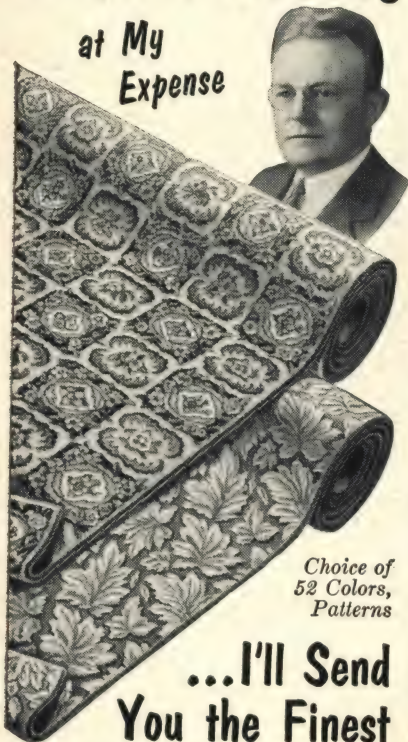


Thermopane
INSULATING GLASS

Look for the name on the seal between the panes.

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at My
Expense



...I'll Send
You the Finest
RUGS you ever had
for So Little Money."

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OLSON RUGS

... with the thrilling twist-weave beauty of luxury-priced wool broadloom rugs—fine enough for any home—at a fraction of the cost.

Choice of 52 Colors, Patterns, regardless of the colors in your material. Any Size—up to 16 feet wide, seamless and any length:

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We guarantee to please or pay for your material. Over 3 million customers. We don't have agents or sell thru stores.

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BOOK IN FULL COLORS

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OLSON RUG CO., P-42, Chicago 41, ILL.

FLEXIBLE GAS HEATING FOR ONE ROOM OR YOUR ENTIRE HOME

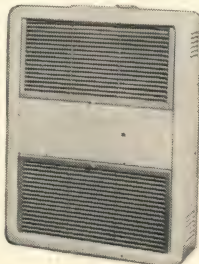


SAF-AIRE GAS HEATING

Uses no chimneys, ducts or electricity

Cleaner, safer heating for one room or entire house...thermostat control if desired. Ideal for heating additions to your home...for enclosed porches, garages, workshops, bathrooms, attic apartments and other hard-to-heat rooms. Saves money for other things. Can be easily installed in an outside wall at any level.

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2. Uses outside air for combustion
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WALL FURNACE

FITS FLUSH IN THE WALL—
HEATS THE ENTIRE HOME

All the comforts of automatic heating from a unit of revolutionary design and efficiency...smartly styled and finished. Furnishes an abundance of warm air, plus sun-like, radiant heat. Grilles direct heat to the floor where needed most.

Alive with comfort-economy features

1. Thermostat-controlled
2. Circulating fan for better heat distribution
3. Triple radiation surfaces for greater economy
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5. Fan control for summer circulation



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let your floor coverings

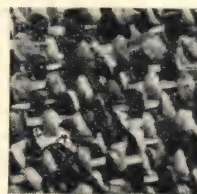
set the style for the

furnishings you choose

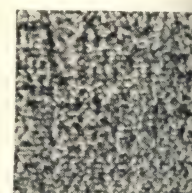
Floor

One of the most important decisions you will have to make when you furnish your new home is the type and design of floor coverings for the rooms. Floor coverings form the basis of any decorating scheme and represent a major furnishings investment, so

MODERN:



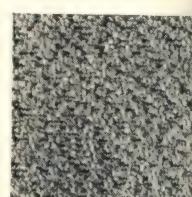
Soft-textured rayon carpeting with a fiber filler comes in 15 different color combinations, is reversible, low-priced.



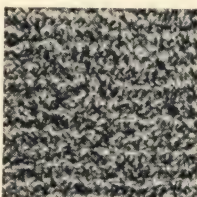
Thick pile rayon carpet is available in such colors as ice-blue and green, pale gray and beige, retails for \$9.00 a square yard.



Textured all-wool carpet is woven in nine color combinations. About \$15.95 a square yard, 27-in., 9 and 12-ft. widths.



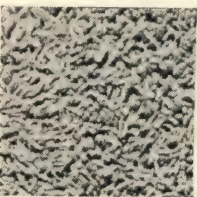
A blend of wool and rayon, this textured carpet is available in green, nutria and gray for about \$8.50 per square yard.



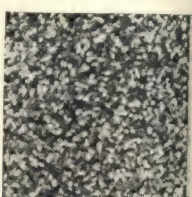
Random-weave loop pile fabric features broken color blends in six combinations, is loomed in widths up to 12 feet.



Fern-like design is outlined by darker background yarns. All-wool carpet in sand, green or gray is \$11.50 a square yard.



Another way with wool—cut pile produces interesting rough-textured effect which blends well with modern furniture.



Use of two yarns of contrasting color creates carpeting with a salt-and-pepper design which doesn't show soil easily.



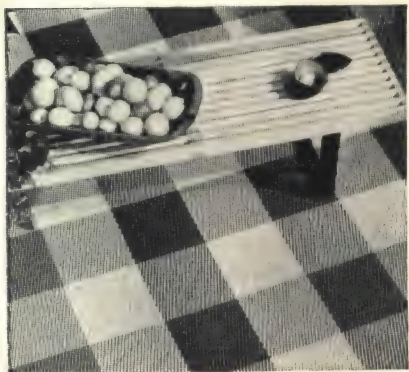
Iron and brass chair typifies furniture which suits modern-design floor coverings.



Vinyl asbestos tile, such as this, is often a wise floor-covering choice for a room furnished in the modern manner. Tile patterns can be varied.

Covering Designs

choose them with care. Patterns and textures of rugs, carpets and hard-surfaced materials (tile, linoleum) are designed to enhance certain furniture styles. Here are some of the newest offerings appropriately grouped with the pieces they complement.



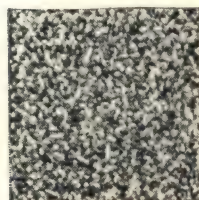
The fiber rug—answer to the problem of beauty and the budget. Vibrant colors are used in this dramatic block pattern which comes in 13 sizes. A 9x12-foot size retails for about \$27.95.

MODERN OR TRADITIONAL:



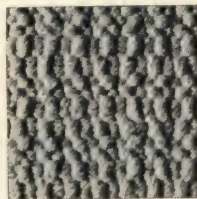
Tufted cotton carpet in 16 solid colors is suitable with either 18th Century or contemporary. About \$7.95 a square yard.

Russet, red, nutria and black leaves seem to float against a beige and ivory background. About \$11.95 a square yard.



This all-wool carpet produces a two-toned textured effect, is woven in widths up to 18 feet. About \$18.50 per square yard.

Here's an all-wool textured weave with a looped pile surface. Priced at about \$9.95 a square yard, comes in 5 colors.



Any of the above floor covering designs would be a perfect complement to this modern desk and chair, or furniture that is similar in style.

Graceful French Provincial furniture, on the traditional side, is enhanced by rug designs such as those above, as are other traditional pieces.



(continued on page 240)



1. **WALL-TEX IS A TEXTURED MATERIAL** that accents the beauty of other room fabrics and furnishings — enriches the whole ensemble — and controls plaster cracks.



2. **THERE ARE MANY SPECIAL WALL-TEX PATTERNS** for dining and kitchen areas and bathrooms. All are scrubbable, unharmed by water or steam, and they keep their beauty for years.

New Styling! Luxurious, lasting beauty in wall fabrics!

See them this week — the beautiful new Wall-Tex designs, colors and textures now at the decorating stores. One of the first things you'll notice is the depth of color and rich textured beauty of Wall-Tex, something only fabric can give.

Long-lasting beauty! The fabric strength of Wall-Tex discourages plaster cracks, gives permanent protection to walls, old or new. The scrubbable Wall-Tex surfaces stay spotless for years. Here's more

charm for your walls, less work for you — and less frequent redecorating, too. Mail the coupon for free color folder and Wall-Tex swatches.

Easy do-it-yourself decorating

Wall-Tex is pre-trimmed, ready to hang. Edges are straight and true for easy matching of pattern. The sturdy fabric material won't tear. Rolls are only 24 inches wide, easy to handle. Anyone can apply Wall-Tex and do a professional-looking job.



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Porches Beckon . . . Soon!



WARREN'S PORCH SHADES

Even while you are reading this, people are moving to their Porches. Many already have. It's an American heritage, this love of Porch life, shielded and private behind WARREN'S Porch Shades. *Comfort, Convenience, Protection, Economy*—you get all four with a Warren Shaded Porch.

For at least six months your porch becomes your outdoor living room—games, buffet lunches, TV, reading, dozing. Your dealer has (or can get) Warren's Porch Shades; all widths, standard heights, pleasing colors, attractive prices, great durability. Easily hung or stored for winter. Ask for Warren's Porch Shades, by name.

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Model M-15, 14¼" x 8½" x 3¾". The finest recessed chime made today. Plays melodious 4-note sequence for front door, single note for rear.

Write today for complete information about Rittenhouse Moderncall Chimes and Home Signaling Systems.

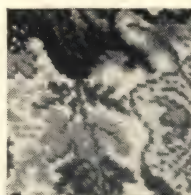
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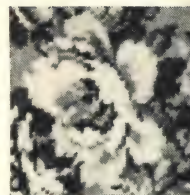
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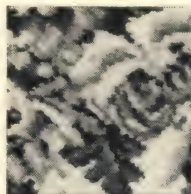
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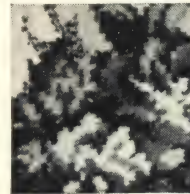
Red roses, green and beige leaves—lovely colors, a graceful design. Widths up to 15 feet—\$10.95 a square yard.



Flowers again—they blend so well with 18th Century furnishings! This all-over design is set against a neutral ground.



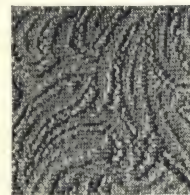
Delicate pastel flower tones against a muted beige ground in a design that has a three-dimensional quality.



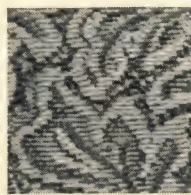
Still another floral print, here combined with a sculptured-effect background. Such a design suits traditional furniture.



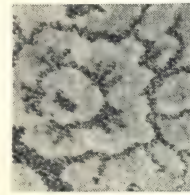
All-wool carpet for about \$11.95 per square yard features sparkling flowers in an old-fashioned design.



A swirling, abstract pattern created by wool yarns looped on different levels; carpet is about \$10.95 a square yard.



Tone-on-tone textured leaf scroll is available in green, gray and two shades of beige. About \$12.50 per square yard.



Sculptured leaves and flowers against a deeper hue ground produce a rich-looking design. Rose, green, nutria, gray, beige.



The lovely floral and sculptured carpet designs shown above provide a perfect background for 18th Century furniture like this mahogany table.

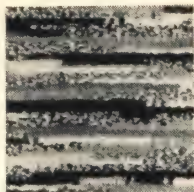
EARLY AMERICAN—PROVINCIAL:

Informal Early American or Provincial furniture has an air of charming simplicity about it that is complemented by certain types of floor covering designs, some of which are shown at the top of the opposite page.





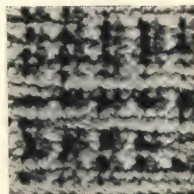
The delicate, fern leaf design of this all-wool carpet blends well with Early American. About \$11.95 a square yard.



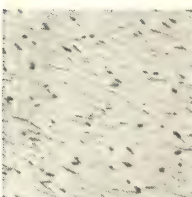
Wool and rayon carpet in three wood-tone color combinations on red, green or brown ground. Retail for \$8.50 a square yard.



Random texture, created by various heights of uncut pile, is designed for informal rooms. About \$10.50 per square yard.



Another wool and rayon blend, this design permits carpet to be joined with almost seamless effect. Made in 9-foot widths.

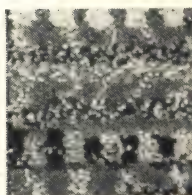


Linoleum, a versatile, practical hard-surfaced floor covering, is available in a wide range of colors and patterns. This design is a good Provincial companion.

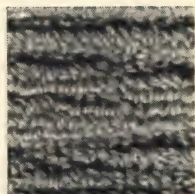


Simplicity of design is a feature of this Colonial-style cocktail table. Floor coverings like those shown above point up the design.

BLENDS WITH ANY TREND:



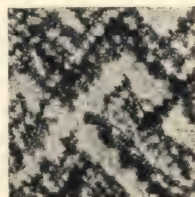
A floor covering so versatile in design that it blends with almost any furniture is this green, brown, white and red carpet.



Wool and rayon carpet for under \$9.00 a square yard comes in tones of green, beige, gray, rose, gold or blue.



Made in a 9x12 room-sized rug and in 9, 12 and 15-foot widths, this random loop wool carpet is about \$12.50 per square yard.



Two-level, all-over design is made in three colorings with green, gray or beige dominant. About \$8.95 a square yard.



The four rugs shown above are designed to blend with either contemporary furniture, such as that shown at left, or Provincial, Early American, 18th Century.



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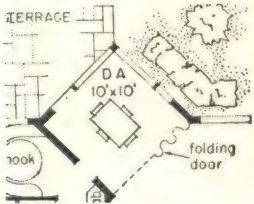
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Two walls largely of glass take advantage of a garden view in Plan No. 1439. To preserve the indoor-outdoor theme, sheer floor-to-ceiling draw draperies and light-scale wrought-iron-and-glass furniture are used.



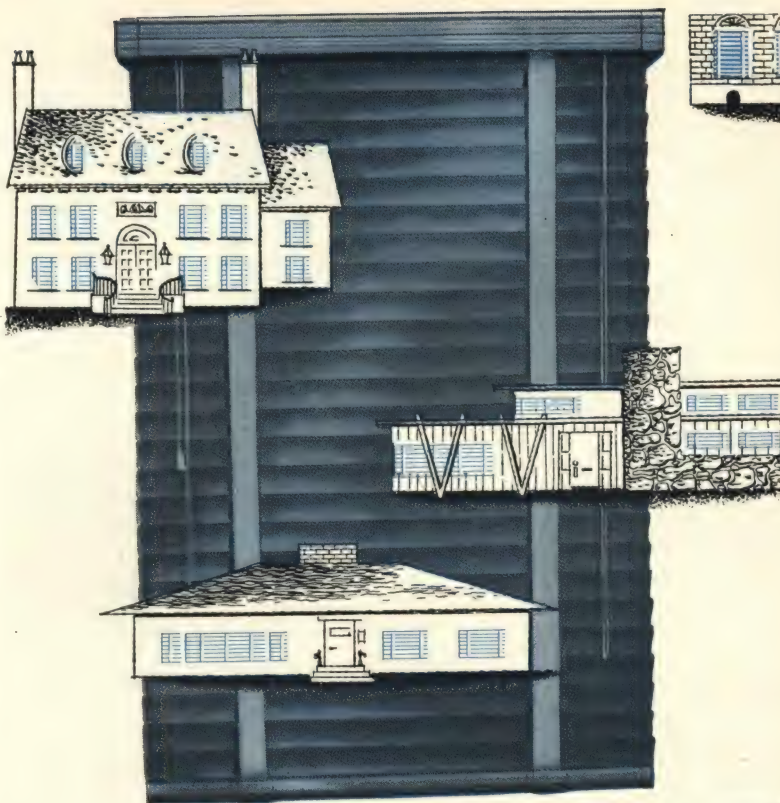
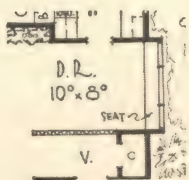
Dining Décor

Mealtime—a time to relax and enjoy the pleasures of family life. To make these important moments an outstanding part of every day, the surroundings in which you dine should be as attractive as possible. SHC architects have featured such things as large glass areas and indoor greenery in their plans; decorating can be planned to point up these features. Here are ideas for decorating dining areas shown in this issue.



The dining room of Plan No. 1460 features a bay window and old-fashioned window seat, setting the stage for Early American. A round dining table, braided rug and cafe curtains contribute charm.

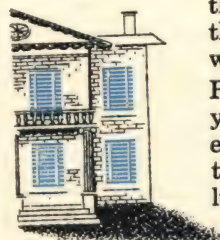
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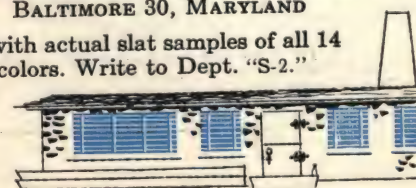
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Designer: Ralph Kelman, Dallas, Texas

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You may prefer a Blue Ridge pattern other than the Doublex in the picture above. Perhaps a linear design set either horizontally or vertically. Perhaps an over-all pattern. And there are three types of finish—plain, textured or *Satinol**.

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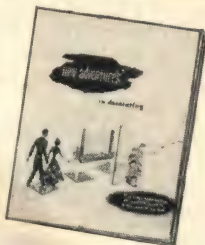


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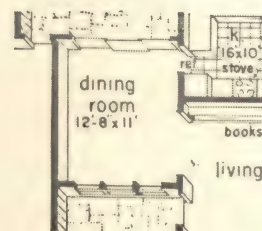
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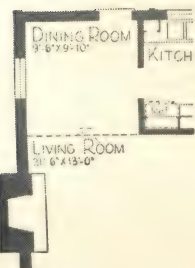
A pint-sized dining area like the one in Plan No. 1412 is not difficult to furnish if the table selected is a drop-leaf style, if the chairs are the type that can be used equally well in the living area. Planter (not included in blueprints) serves as divider and storage cabinet.



This dining room has a sliding glass wall at one end, many windows at the other; both walls are covered with sheer draw draperies which admit natural light, preserve privacy. Contemporary furniture and a modern adjustable ceiling fixture suit the style of Plan No. 1464.



Plan No. 1410 features a room that can be used as a den, bedroom or dining room. Today's furniture, designed for dual use, makes it possible to use the room for all three purposes. Table is actually part of the buffet, folds up against it when not in use. Floor is tile.



A dining room decorated in the traditional manner—symbol of gracious living. Shutters separate the area from the living room, provide their own interesting design. Walls are papered above the dado, painted below. The room is part of Plan No. 1403.

Distinction in a New Dining Group



Design and mellow new finish share honors in this versatile dining group. The finish is Nutmeg, a duet of warm browns on sturdy oak — blends with both light and dark finished furniture. The design is practical and space-saving. Each piece serves a dual purpose and belongs in either living or dining area.

The refectory table is the talking point of the group. Centuries ago, simple, completely useful refectory tables were used in stark monastery dining halls. Now, Richardson designers have translated the original simplicity of line into beauty — the functional design into convenience. Space-saving leaves tuck under the table when they're not needed. Table top is beautiful wood-grained Formica, which looks exactly like wood but never scratches or mars. Quality furniture, moderately priced.

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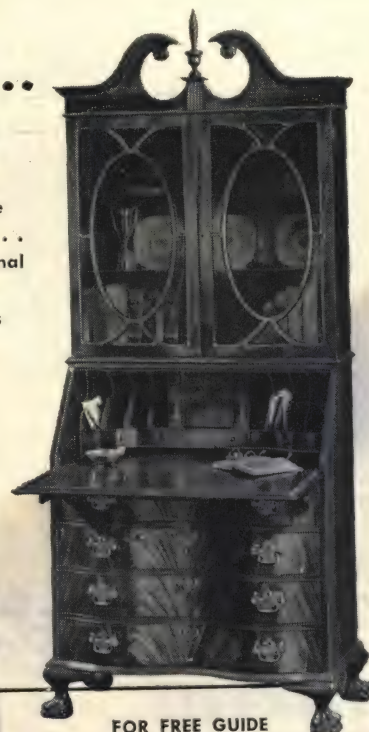
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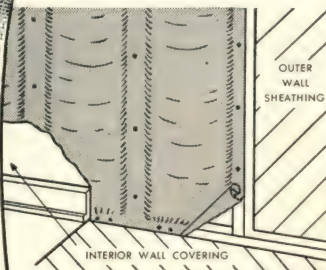
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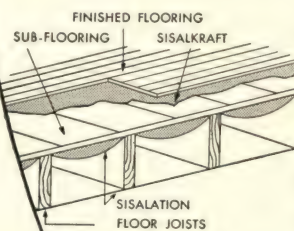
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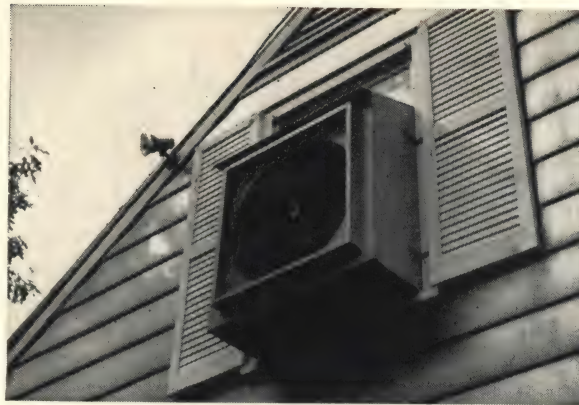


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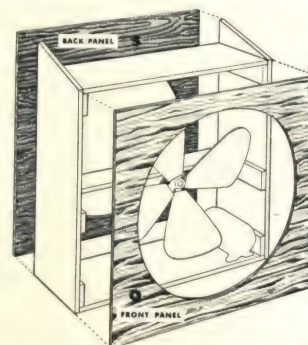
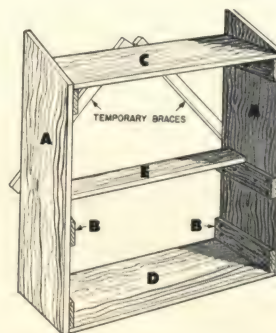
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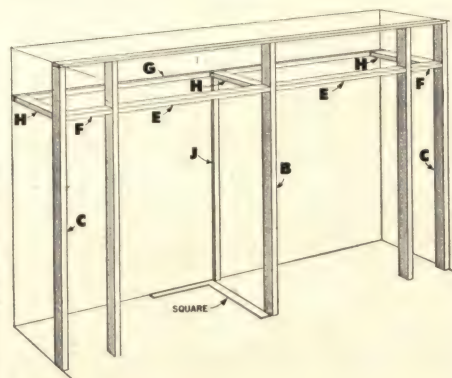
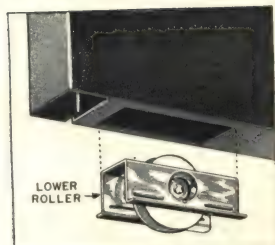
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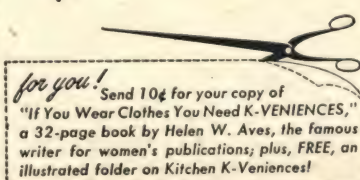
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for you! Send 10¢ for your copy of "If You Wear Clothes You Need K-VENIENCES," a 32-page book by Helen W. Aves, the famous writer for women's publications; plus, FREE, an illustrated folder on Kitchen K-Veniences!

**KNAPE & VOGT
MANUFACTURING CO.**

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- 212—Top, Lightolier, Inc.
- 213—Top, Lightolier, Inc.; bottom, John B. Salterini Co., New York.
- 221—Bottom left, Ponderosa Pine Woodwork, Chicago; bottom center, Décor Door Co., Grand Rapids.
- 223—Center, Fulbright Industries, Fayetteville, Ark.; bottom, Dunbar Furniture Corp., Berne, Ind.
- 224—2nd, Baker Furniture, Inc., Holland, Mich.; 3rd and bottom, Dunbar Furniture Corp.
- 234—The Cleanliness Bureau, New York.
- 235—Top, Fleetwood Furniture, Grand Haven, Mich.; bottom, Cleanliness Bureau.
- 238—Left row of swatches: Waite Carpet Co., Oshkosh, Wis.; A. & M. Karagheusian, Inc., New York; James Lees & Sons Co., Bridgeport, Pa.; The Firth Carpet Co., New York. Right row of swatches: The Magee Carpet Co., Bloomsburg, Pa.; James Lees & Sons Co.; A. & M. Karagheusian, Inc.; The Firth Carpet Co. Bottom left, The Inco Co., Los Angeles; bottom right, Sloane-Delaware Floor Products, Trenton.
- 239—Top, Waite Carpet Co.; bottom left, Herman Miller Furniture Co., Zeeland, Mich.; bottom right, Colonial Mfg. Co., Zeeland, Mich. Swatches: Top left and bottom right, A. & M. Karagheusian, Inc.; others, James Lees & Sons Co.
- 240—Left row of swatches: James Lees & Sons Co.; The Magee Carpet Co.; A. & M. Karagheusian, Inc.; The Magee Carpet Co. Right row of swatches: First 2, The Firth Carpet Co.; A. & M. Karagheusian, Inc.; James Lees & Sons Co. Bottom left, Columbia Mfg. Co., Louisville; bottom right, T. Baumritter Co., Inc., New York.
- 241—Top left, swatches: A. & M. Karagheusian, Inc.; James Lees & Sons Co.; Sloane-Delaware Floor Products. Top right, swatches: A. & M. Karagheusian, Inc.; Bigelow-Sanford Carpet Co., Inc. Top photo, T. Baumritter Co., Inc. Bottom left, swatches: The Magee Carpet Co.; Bigelow-Sanford Carpet Co., Inc. Bottom right, swatches: The Magee Carpet Co.; Bigelow-Sanford Carpet Co., Inc. Bottom photo, Glenn of California, Arcadia, Calif.
- 253—Top, Iron Fireman Mfg. Co., Cleveland; bottom, Stewart-Warner, South Wind Div., Indianapolis.
- 257—Wood Conversion Co., St. Paul, Minn.
- 261—Bottom, Delta Mfg. Div., Rockwell Mfg. Co., Milwaukee.

We are also indebted to the following organizations for their special help: Clark and Barlow, Chicago, for furnishing tools for "You'll Need These Tools," which begins on page 36; Crawford Corp., Baton Rouge, La.—photos appearing with "Exteriors" on page 116 were shot at the press opening of Briargate Hills subdivision, Louisville, Ky., sponsored by Mr. Hamilton Crawford; St. Charles Kitchens, St. Charles, Ill., for the kitchen setups shown top and right on page 166; Commonwealth Edison, Chicago for the kitchen setup shown at bottom on page 166.

HOME FINANCING (continued from page 90)

include amounts to be set aside for taxes, insurance premiums, and special assessments.

The success of these and other innovations has led to study of the mortgage instrument from time to time by lenders and others to see where additional features might be introduced to benefit the borrower or to reduce the lender's risk, or for other purposes. For example, some mortgages permit the borrower, if he so desires, to pay off the loan ahead of the specified date, and some permit deferment of principal payments for a limited time under specified conditions. The "package mortgage," which provides for the inclusion of certain items of household equipment in the lien, has won widespread acceptance.

The open-end mortgage, which has been the subject of much discussion in the last 4 or 5 years, and which has been used for a long time by a number of mortgagees, is one that enables the borrower to obtain additional advances from the mortgagee, usually for the purpose of paying for repairs and improvements to the property. The amount of such advances ordinarily may not exceed the portion of the original amount that has been paid off.

This type of mortgage has certain advantages to the borrower in that he can obtain money for needed improvements to his property without the delay and expense of taking out a new first mortgage or a second mortgage, and at a lower rate of interest than would be required on a short-term uninsured loan. Since the payments on the additional advance under an open-end mortgage may be spread out over the remaining life of the mortgage, they are not unduly burdensome if the mortgage still has a considerable time to run. It must be remembered, of course, that the longer the time allowed for repayment of any debt, the greater will be the total amount of interest paid by the borrower.

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sidewalls...
rust or
corrode**

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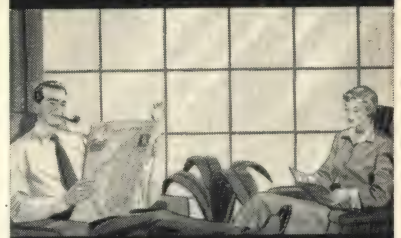
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**FOR WARM WINTERS
.... COOL SUMMERS**



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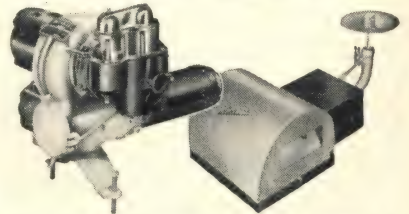
... products of Stewart-Warner
Your nearest Winkler dealer offers America's most outstanding line of heating and summer cooling equipment for bringing comfort to your home. Before you buy, see the many Winkler features which assure economy, dependable performance and long life.



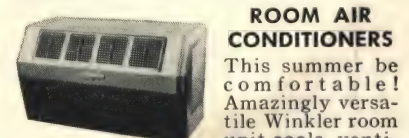
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A KRESKY DUAL OIL WALL FURNACE, with forced air circulation, can make savings like these in 6 different ways:

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2. A forced air, completely automatic furnace with thermostat control, it provides highly efficient CAC (continuous air circulation). No drafts, no cold floors, nor hot zones.
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4. Equipped with the famous Kresky Forced Air Induction Oil Burner, it consumes every drop of oil—actually turns smoke and soot into EXTRA heat. Simple and economical to operate with minimum service needs.
5. Its 57,500 BTU output of heat has a properly balanced CFM (cubic feet of air per minute). It is tested and labeled by Underwriters' Laboratories—your maximum guarantee of safety.
6. Qualifies for most favorable loans from both federal and private institutions.

You have a wide choice of other Kresky furnaces: Floor furnaces, central forced air furnaces for installation in basement or service closet, available for either oil or gas. Write today for free folders and the name of your nearest Kresky dealer.

Ask for the name with the flame—pioneer in heating equipment for over 44 years.



KRESKY MFG. CO., INC.

2nd and H Streets, Petaluma, California

Kresky Sales and Service Cover most of the United States

PAINTING THE EXTERIOR

(continued from page 130)

It is just as important to buy a good quality paint as to get the proper type of paint. Cheap paint inevitably fails faster than good paint so that any savings resulting from a "bargain" will be wiped out quickly. Good paint usually goes farther, too, and can be applied with less difficulty.

Read the Manufacturer's Directions

When you buy good paint produced by a reputable manufacturer, take advantage of the years of research that have gone into the product. Read and follow the directions on the container carefully in order to obtain maximum beauty and durability from the paint.

Whenever you see a case of peeling, blistering or flaking paint, it more than likely has been caused by excessive moisture. Moisture within the walls of a home, no matter what construction materials are used, can exert enough pressure to literally force the paint off the surface.

Painting day is a little late to start worrying about moisture control in your new home. Proper safeguards must be included during construction if paint failure and other damages are to be avoided.

Deterrents to Moisture Damage

Here are the major safeguards against such damage:

Install flashing around chimney, over doors and windows and at joints where different roof sections or roof and side walls meet.

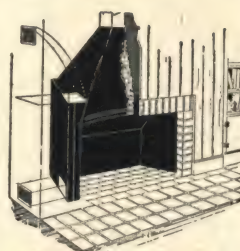
Provide gutters at eaves and—since water sometimes freezes in gutters, causing ice and water to back up under the shingles—

Get **FREE 32 Page Book** of **FIREPLACE** Designs - Materials



For Homes, Playrooms,
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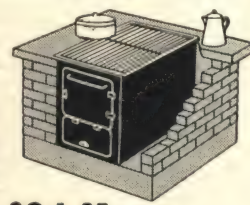
Here's a mighty valuable Book if you're considering a fireplace in your building or remodeling plans. It answers your questions "What style fireplace" to choose, "What materials to use" and tells why you should get the modern advantages of a heat-circulating fireplace.



Cut-away illustration

FYRO-PLACE . . . The Perfected STEEL FIREPLACE FORM

assures gratifying success with your fireplace. It won't smoke or be drafty, and will give you the wonderful comfort of circulating warm air.



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Your wish can now come true, for an outdoor fireplace at low cost. FYRO-GRILL is a complete form of heavy steel around which you build your complete fireplace—simple or elaborate as you wish. Many exclusive features, yet costs only

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lay a course of heavy asphalt-saturated felt over the eaves and well up past the inside wall line under the shingles.

Leave sufficient space between wood roof shingles to allow for expansion and prevent cracking or buckling. Spaces between shingles are offset from course to course to present a waterproof surface.

Care should be taken with siding to obtain a tight fit at corners and joints between pieces of siding. A sheathing paper that is water resistant, but not a vapor barrier, should be used. Wood siding and sheathing should not extend lower than 6 inches above the ground. Siding should be completely dry when applied and painted.

Use vapor barriers to prevent condensation of moisture within exterior walls and ceiling. The barrier should always be applied on the warm side (room side) of the wall, ceiling or roof—the latter in the case of an occupied attic. The vapor barrier should form a complete wrapper around the part of the house that is used.

If your home has a crawl space rather than a basement, there should be at least 18 inches clearance between the ground and bottom of joists. Good drainage and ventilation are essential.

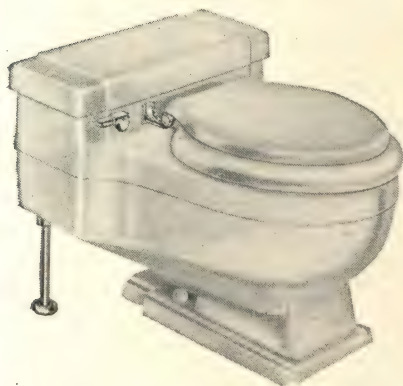
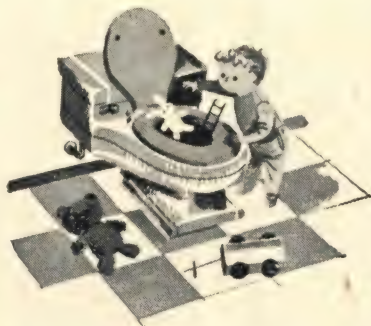
If it is a slab-floor home, a vapor barrier should be laid under the slab and over a deep bed of sand and coarse aggregate.

Take care to ventilate attic spaces and roofs adequately. To carry out excessive moisture produced within the home—in bathroom, kitchen and laundry—it is wise to install exhaust fans.

Pick a dry, warm day to do your painting; surfaces should not be wet from rain or dew and the temperature should not be under 40 degrees.

Allow three or four days for each coat to dry before applying another. If the first coat is dry only on the surface, the second will not adhere properly.

Child at play?
bless the day...



you looked ahead
and firmly said
"Case
NON-OVERFLOW"

● To give your home the unique protection of a bowl that *will not overflow*, ask for the fixture you see in America's most elegant bathrooms. It's the famous CASE® "One-Piece*" water closet, the first of its kind! Distributed nationally...in 32 colors and white.

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Send me your new color folder, "Bathroom Beauty for Today's Homes."
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The P&H Pioneer Home

Look at some of the other new homes in your area—then see the new P & H Pioneer Home. You'll see larger living rooms, more closets, more efficient floor plans in P & H Homes than in almost any other at the price. You'll see features like the 3-way dining area, folding wall room, Thermopane window walls and built-in drawer sections. And you'll see real luxury-home construction. Why does a P & H Home give you so much more for your money? Precise, factory-controlled craftsmanship, high-efficiency pre-fabrication and top building materials does it.

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WONDERFUL 3-WAY DINING AREA

A swish of the screen on its ceiling track makes dining area part of kitchen, of living room, or open to both.

Architect-designed P & H Homes, in 2, 3 or 4 bedroom models are priced from \$6,000 to \$20,000



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**warms all the room...
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Circulates Heat! Enjoy the cheer of an open fire *plus* cozy warmth in every corner of the room. Build your fireplace around a Heatilator* Fireplace unit... save heat usually wasted up the chimney! Draws air from floor level, heats it, and circulates it to warm all the room and even adjoining rooms.

Will Not Smoke. It's a scientifically designed form, complete from floor to flue, around which any style fireplace can be easily built. Assures correct construction, eliminates common causes of smoking. *Adds little to cost.* The Heatilator unit provides all the vital parts... saves the cost of a separate damper, firebrick,

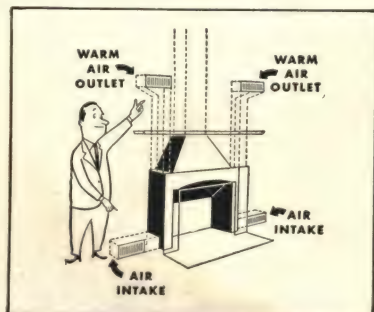
and masonry otherwise required.

Ideal for Summer Camps. Architects and builders agree! A Heatilator Fireplace makes camps and summer cottages usable weeks longer in spring and fall, even on cold winter weekends.



Proved by 26 Years Use. Your fireplace is a long term investment. Make sure you get the one fireplace unit that has proved itself for 26 years. Look for the name "Heatilator" on the dome and damper handle. Accept no substitutes. At leading building material dealers everywhere. Mail the coupon today!

*Heatilator is the reg. trademark of Heatilator, Inc.



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Please send free booklet showing pictures and advantages of the Heatilator Fireplace.

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Address.....

City..... Zone..... State.....

A PRIMER OF HEATING

(continued from page 156)

exceptionally simple to install. A central boiler supplies steam to separate, compact heater units recessed in a wall in each room. The steam powers a blower fan in the unit, which circulates warm air through the room.

Cool air is taken in at the bottom of the unit and passes through a filter and a heat exchanger (where it is heated by the same steam that operates the fan) before it is blown out into the room.

Controls for the system are simple. The individual thermostats, capable of maintaining room temperatures of anywhere between 40 and 90 degrees, merely regulate supply valves in each heater unit. As the heat requirements are increased or reduced, the amount of steam supplied to a unit is increased or reduced by the automatic change in the valve setting.

The steam supply lines are 1/4-inch copper tubing and return lines are 1/8-inch copper tubing—as easy to install and conceal as wiring. This eliminates the need for special structural provisions for the ductwork or rigid piping of most types of heating systems. The heater units will, in most cases, fit between studs.

Unit Heaters, Floor and Wall Furnaces

No heating article can be complete without mentioning of the role of gas-fired and oil-fired space heaters, floor and wall furnaces, and electrical heaters.

These can serve as main heating plants in states where winters are not frigid; and they have been used successfully to heat small homes even in northern states. They can be used economically and efficiently as auxiliary to the main heating system, in bringing warmth to an enclosed porch, a basement playroom or a garage workshop; or in adding warmth to a bathroom.

The Key to Silence



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● Any licensed plumber can quickly silence the noise of a refilling water closet tank with a patented Duck-Bill Hush Tube. Stop objectionable noises and save your guests embarrassment. Automatically gives proper water flow at all pressures. For old or new homes. Over one-half million in use. Fully guaranteed. Ask your plumber or

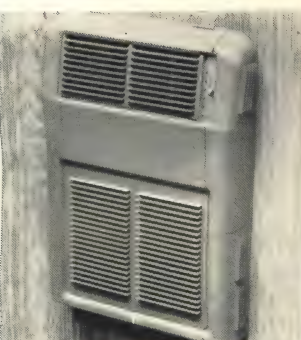
WRITE FOR FREE FOLDER



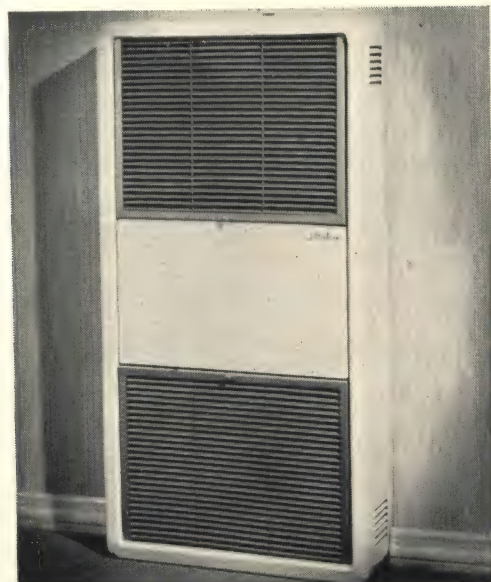
QUALITY PLUMBING BRASS SINCE 1890

**Rockford
BRASS WORKS**

ROCKFORD • ILLINOIS



The newest type of heating system distributes its heat through this type of wall unit in each room. Each unit has individual thermostatic control. Boiler is centrally located; steam is piped to rooms through tubing.



Here's a typical wall furnace. Ideal for a small home, it can use either gas or oil. Floor furnaces do a similar job.



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... but not expensive

THANKS TO PEASE FLEXIBILITY

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Write today for your free copy of the "Book of Pease Homes for 1954" — a beautifully illustrated brochure giving complete details and prices on the entire line.

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DOMESTIC HOT WATER

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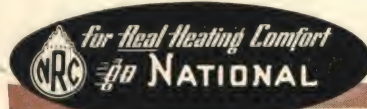
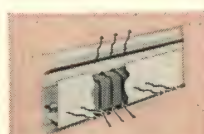
with the **NATIONAL PACKET** *all-in-one • automatic* **HOME HEATING UNIT**

There's no need to hide National Packets, nor to build special rooms for them. These modern heating units are *at home* in the kitchen, the laundry or the recreation room.

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For heating comfort, heating economy and all the hot water you need for pleasant living, ask your heating contractor for details on National Radiator Company equipment—proved in service since 1894. Send in the coupon for full information on the National Packets, National Cast Iron Heat Extractors, Gas Boilers and Residential Steel Boilers.



Residential Heating Equipment for homes of every size, in every climate

THE NATIONAL RADIATOR COMPANY, JOHNSTOWN, PA.

Please send me information on National Heating Equipment for my new home ☐;
for modernizing my present home ☐. Please check.

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Save 30% to 40%

Don't pay several hundred dollars more than necessary when you build a home! Buy direct from our mill at our low, factory, freight-paid price. We ship you the lumber cut-to-fit, ready to erect. Paint, glass, hardware, nails, etc., all included in the

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As Low As \$2608**



What "Liberty" Owners Say
Ahead \$2,000 to \$3,000

"We have moved into our 'Liberty' home and are more pleased with it every day. I think I would be safe in saying we are ahead \$2,000 to \$3,000 by buying your Liberty Home and doing the work ourselves."

Saved \$4,000 to \$6,000

"Compared to a local contractor's price to build a home equal to my 'Liberty,' I will be saving \$4,000 to \$6,000; so you can see why I have such enthusiasm for Liberty Homes."

Handsome Big



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Pictures wonderful homes in colors at money-saving prices. Designs to suit everyone. Send 25¢ for catalogue today.

Very Easy to Build

Every step in the building of a Liberty Home is figured out for you, so that all you have to do is follow the drawings and instructions that we furnish you. Whether you do the work yourself or hire a carpenter, the work of erecting a Liberty Home is easy, simple and systematic. Your home will be up and ready to move into almost before you know it.

Visit a Liberty Home!

Many thousands of Liberty Homes have been built in all parts of the country. If you would like to visit and inspect the model that suits you best, write us and we will give you its location.

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and Loan Associations**

LEWIS MANUFACTURING CO.

642 LAFAYETTE
BAY CITY, MICH.

GETTING YOUR MONEY'S WORTH

(continued from page 107)

Windows of all three types are made in wood, aluminum or steel. Wood window frames have the advantage of not being cold to the touch on cold days, and room moisture does not condense on them. They can be finished natural or painted any color. Aluminum windows never require painting. Steel windows are economical, can be painted any color. They are finished with a corrosion-inhibiting undercoat that limits the possibility of rusting after installation.

There are many special types of windows—picture windows, bow windows, combination louvered and fixed-sash windows, louvered-glass windows, horizontal sliding sash. You may want to consider selection from this group for an architectural feature or to give special attraction to a porch or recreation area.

Be sure to check the possibilities of combination storm sash and screens—a timesaver when it comes to the semiannual change-over.

CAN I SAVE TIME AND MONEY BY USING
TRUSSED-ROOF CONSTRUCTION?

Trussed-roof construction can save up to 30 percent of the time and material costs for a roof if the construction crew is experienced in building and erecting trusses, or if several houses are being built simultaneously by the builder. Otherwise, the saving may not be a substantial part of the over-all cost of the house. If you are thinking about a trussed roof, consider the effect that the truss members will have on your usable attic space. If the roof is low pitched, attic space may be unusable anyway; but a high roof

USE YOUR ATTIC!

The most
economical way
to add storage space



PRECISION STAIRWAY
OFFERS **7** EXCLUSIVE
FEATURES

- 1. NEW! HYDRAULIC SAFETY CHECKS**—Prevent slamming of stairway on opening and closing.
- 2. LIFE-TIME ROLLER BEARINGS** make operation practically effortless and noiseless.
- 3. ACTUATED BY COUNTERWEIGHTS** which close the stairway tight every time.
- 4. INSULATED DOOR PANEL.**
- 5. RUGGED AND STRONG**—All parts of the Precision folding stairway are secured by bolts and screws.
- 6. FULL WIDTH SAFETY TREADS** on each step protect steps and assure a safe footing.
- 7. FITS ANY CEILING HEIGHT**—Graduations on runners facilitate cutting off for different ceiling heights.

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☐ Send me FREE folder and complete information on the **PRECISION FOLDING ATTIC STAIRWAY.** ☐ Send me complete information on Hydraulic Safety Checks for any **PRECISION** stairway.

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Address _____

PRECISION PARTS CORP.

400-5H North First Street
Nashville 7, Tennessee

may provide sufficient headroom and storage space—even future living space—to make it worthwhile to keep this area open.

WHAT IS FLASHING AND WHY DO I NEED IT?

Wherever there is a change in roof line (such as caused by the construction of a wing) or where there is a vertical projection through the roof (such as a chimney or side wall of a dormer), flashing is required to provide a seal from rain water and melting snow. Flashing is usually sheet copper or aluminum. Where there is a roof valley, flashing material must cover the V-shaped area for the entire length of the valley. Shingles must overlap so that water running down the roof from both sides toward the valley will continue in only one direction—off the roof, never under the shingles to the roof boards below. Dormer and chimney flashing also must cover the portion of the roof adjacent to the vertical wall or chimney side—again with the shingles overlapping—and must extend upward and be sealed to the dormer wall or chimney so as to prevent leakage of water to the inside.

HOW CAN I BE SURE I AM MAKING THE RIGHT SELECTION OF ROOFING MATERIAL?

The three most popular types of roofing on the market are asphalt shingles, cedar shingles and asbestos shingles. All are good and will give many years of wear. Your desires as to color and texture of your roof may be a deciding factor in your choice. Shingles should not be used on very low-pitched roofs or on flat roofs. Flat roofs require a built-up covering of asphalt felt,

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Bridgeport
INNER-SEAL
WEATHER STRIPPING
HOW TO PROTECT YOUR GARAGE DOORS

is explained in this colorful folder. Shows various ways of applying garage door weather strip for best results.



WHY AND HOW TO WEATHER-STRIP

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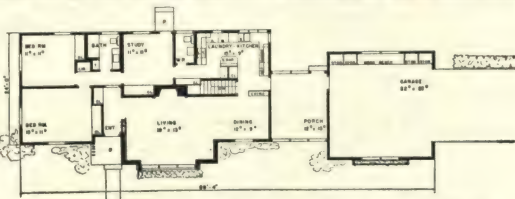
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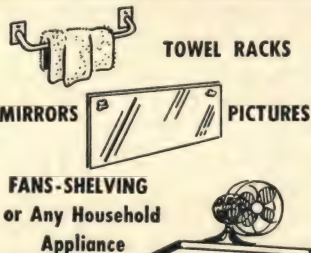
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completely sealed over the entire surface. There are several techniques for covering the low-pitched sloping roof, some with extremely handsome effect; and it is wise to consult a roofing expert before making a decision.

ARE FRAME, VENEER AND MASONRY HOUSES FINISHED
THE SAME INSIDE?

With the exception of insulation, previously mentioned, interior construction is the same. Insulation is usually placed between furring strips on the inside of masonry walls; in the frame or veneer house the area between studding furnishes adequate space for insulation. Finish wall material—lath and plaster, gypsum board and other drywall materials, wood paneling—is applied in the same manner for all types of construction.

YOU MENTIONED VAPOR BARRIER PREVIOUSLY IN SPEAKING OF
INSULATION. WHAT IS VAPOR BARRIER?

A vapor barrier is a substance through which more than a certain minimum amount of moisture in vapor form cannot pass. It is especially necessary in an insulated house during cold weather, and most batt or blanket insulations are made with a vapor-barrier backing. When insulation is present in a wall, the outer sheathing becomes cold, almost outdoor temperature; then if no vapor barrier is present, normal room moisture passes through the insulation and condenses on the sheathing—same effect as when you breathe on a window.

Attractive home, built in 1919 using cast-iron radiation. Modernized in 1953 with Webster Baseboard Heating. Hot water flows through finned copper tube behind metal baseboard enclosure along perimeter walls.



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Nothing adds so much to a well-established home as Webster Baseboard Heating. Trim baseboard enclosures replace unsightly radiators... allow complete freedom in furniture arrangement. Clean heat is spread gently and evenly, for draft-free comfort from wall to wall.

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Installation of insulation is one of the easiest jobs in the building of a house, also one of the most important. This insulation has its own vapor barrier, easy to identify in cross section.

This condition can cause serious damage to a house—condensed water runs down the inside of the walls, rots out sills; insulation becomes wet, soggy, loses its effectiveness; house takes on a musty odor; mold sometimes forms on walls; paint peels off the outside of the house.

I HAVE HEARD THAT VENTILATION WAS THE ANSWER TO THE MOISTURE PROBLEM. IS THIS TRUE?

Ventilation is necessary to remove moisture from unheated

WHEN YOU TAKE TIME TO TILE-IT-YOURSELF...REMEMBER

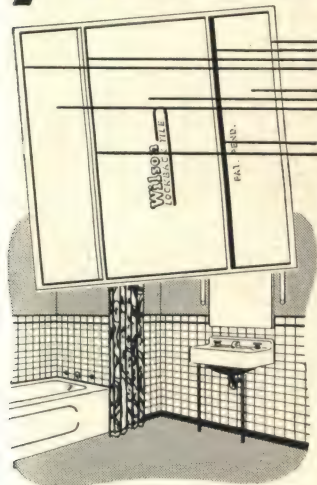


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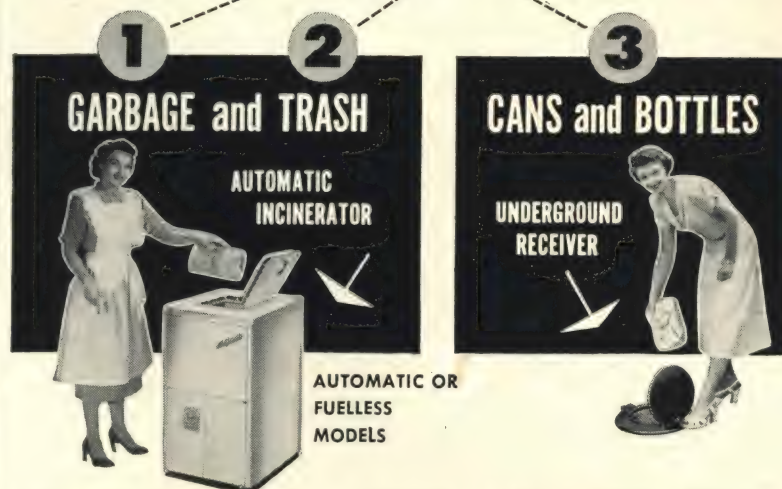
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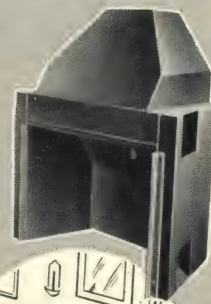


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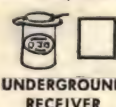
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areas such as crawl spaces and unoccupied attics, to prevent condensation in cold weather. Under certain conditions the vapor barrier can be omitted from an insulated floor or ceiling, except in the northernmost parts of the country, when ventilation is properly provided.

AT WHAT POINT ARE THE UTILITIES INSTALLED?

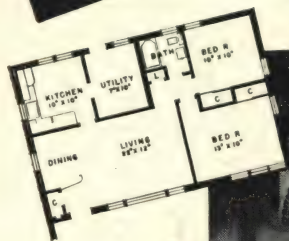
Plumbers, electricians and the heating man can work right along with the building crew after the roof is closed in. Since all the roughing-in materials have to be hidden in the walls, these trades have to be finished with their jobs before the interior walls are closed in. Considerable wiring is required for automatic heating-control hookups, so the electrician cannot finish his job until the heating plant is completed. Both plumbers and electricians have to stop after their roughing-in work is completed, then come back to install fixtures after the walls and ceilings are in place.

LOOKS LIKE WE'RE ABOUT READY TO MOVE IN, DOESN'T IT?

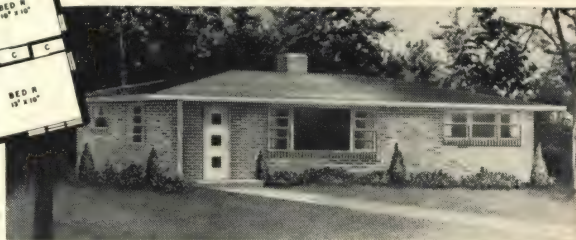
A lot of families do move in at this point. There is still the finish carpentry to be done; flooring has to be laid; moldings, baseboards, door and window casings have to be installed; doors have to be hung; hardware must be installed. You may be able

\$388³¹

is the national average cost of all the Brikcrete needed to build the exterior walls (8" thick) of the "Brikadier." May vary by locality.



BRIKCRETE



You don't have to build the Brikadier to get the value of Brikcrete economy. Same low price per square foot applies to any size or type of home you plan to build.

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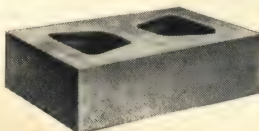
Low price is due to elimination of two big costs: freight and distribution. For Brikcrete is a community enterprise—made in a chain of locally owned plants, each using local materials and local labor.

Write us direct for free copy of Brikcrete Book No. 1, and name of manufacturer nearest you.

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Highlights

Two sizes: 8x12x3½; 4x12x3½ (laid up). Half and corner units for each size. Ten standard colors include reds, buffs, browns, tan. Six pastel shades for interiors. Approximately half the net weight of regular brick. Facilitates handling ease. Twice the face size of regular brick. Half as many mortar joints. Perfectly straight and square.



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B-8

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to save some money by doing some of these jobs yourself.

WHAT'S INVOLVED IN LAYING A FINISH FLOOR?

If it is a hardwood floor, and the subfloor is smooth, the flooring can be laid directly over a layer of felt. Doing a good job of applying a hardwood floor is more difficult than it looks—if you are not sure of yourself, better leave this up to the carpenters.

You will be on safer ground, however, applying floor tiling— asphalt, rubber, plastic or linoleum. Thousands of homeowners are doing this job successfully. A smooth underlayment is required—if your subfloor is of plywood, fine. If you have a board subfloor, cover it first with a layer of building felt and then with 1/4-inch hardboard or plywood before attempting to put down the tile. The tile manufacturer will provide you with detailed do-it-yourself information for installing the tile.

We have tried to include in the article the questions that are most likely to occur to the average prospective homeowner. There are dozens of other questions that will come up in the course of construction; we trust that knowing the above answers will give you confidence to ask your builder or architect, or even the workmen on the job, for answers to other things that might be puzzling you. In most cases they will be happy to give the answers, accompanied by a dissertation on the fine points. Then when you move into your new home, you can feel that you know it intimately, that it is really well built because you followed the building progress every inch of the way.



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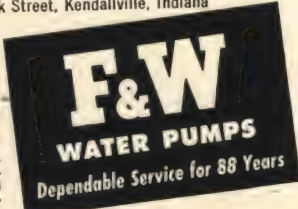
F & W 2 STAGE DEEP-WELL JET—Delivers extra capacity. New automatic control valve assures top performance.



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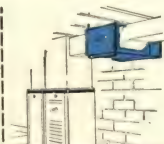
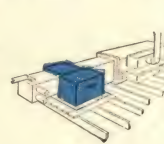
Lennox Aire-Flo Air Conditioning is extra efficient, economical, adaptable. It can be added to any forced warm air heating system, in basement, attic, closet, utility room, crawl space, garage. It can be installed with a Lennox heating system or provision can be made for its installation at any later date.

It features such outstanding qualities as amazingly silent operation, generous volume of air, continuous humidity control, automatic air dampers, hermetically sealed refrigeration, easy servicing without interruption of use. It comes in 2-ton and 3-ton sizes, and carries a 5-year warranty.

Before you decide on either a new heating or air conditioning system, get in touch with your local Lennox Dealer. His name is in the classified section of your phone book. Find out how easily—and economically—you can enjoy the world's finest air conditioning, Lennox Aire-Flo!

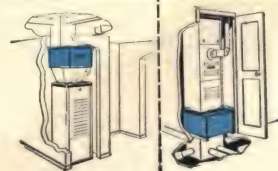
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The Lennox "Stowaway" air conditioner installed in an attic with a Lennox "Stowaway" gas furnace. Also adaptable to crawl-space homes.



The "Stowaway" air conditioner installed in a basement with a Lo-Boy furnace. The air conditioner is resiliently mounted in a frame suspended from the joists.

The "Flat Top" air conditioner installed over an Up-flo furnace in a closet.



Here the "Flat Top" air conditioner is installed beneath a Down-flo furnace in a utility room.

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...how insulation should be applied for best results

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Please send me your TWO booklets on insulation selection and application. I enclose 10 cents.

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IF YOU PLAN TO BUILD A "GUIDE" HOME

(continued from page 86)

tion from the plan source, order as many blueprints as you will need. Normally you will require at least four sets of prints—one for yourself (your loan source will want to see a copy), one for the building-permit office and two for the contractor—although you can order any number you wish. Often a family buys only one set at first, in order to give further study to the plan (perhaps by building a model, as suggested elsewhere in this edition) and to get detailed estimates on building costs.

The working drawings supplied by any SMALL HOMES GUIDE plan source include all the information a competent builder needs.

Should you want the plans reversed—if that would better orient the house on your lot or make it more in keeping with other houses in the neighborhood—tell the plan source. You will receive reversed blueprints. The lettering will also be reversed, but that can be remedied with a pencil.

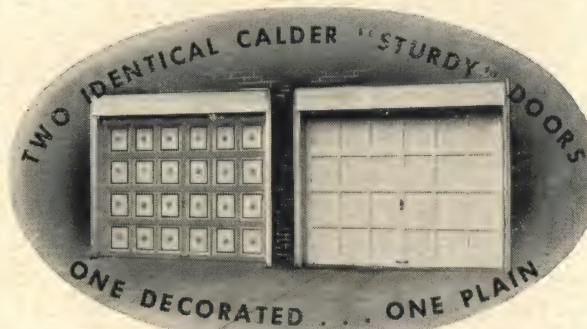
In the past many years, thousands of American families have followed the procedure outlined above to obtain homes that were the best in current architecture.

We, the editors, feel that this Design section is continuing an established tradition of vital help to the homeseeker.

Do you agree?

We are always delighted to receive comments—specific or general, critical or commendatory.

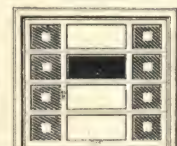
A calder Wedge Tight OVERHEAD SECTIONAL GARAGE DOOR CAN BE YOUR DOOR... DESIGNED BY YOU!



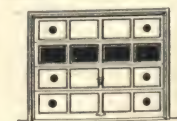
"LEVELINE" with 4 diamonds



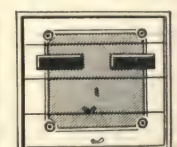
"PARALINE" with 12 round rosettes



"TRILINE" with 8 square rosettes



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"FLUSH" with 4 strips 4 round rosettes

When you order your overhead sectional garage door be sure to specify—CALDER Wedge Tight. You'll find six basic doors to choose from—one or more of which, has been designed to blend perfectly with your particular type of architecture. Each is made in a size to fit your garage opening and available headroom. Last but not least, with a few inexpensive, easy to attach shapes and strips, any Calder door may be decorated to your taste and painted in your choice of colors.

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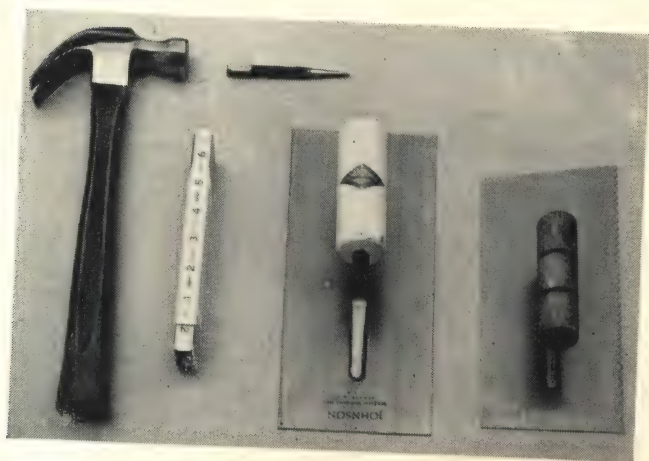
CALDER MFG. CO., DEPT. A
LANCASTER, PA.

Gentlemen:
Please rush literature on Calder Doors.

NAME.....
ADDRESS.....
CITY.....STATE.....

YOU'LL NEED THESE TOOLS (continued from page 43)

INSULATION of the batt and blanket varieties can be installed with the gun-type stapler, using the rule to measure off lengths, the shears to cut them. Blankets or batts also can be stacked and cut with a fine-tooth saw.



DRYWALL APPLICATION requires these tools—the hammer and rule, the cement spreader (right), and the trowel. Either the nail set shown or a ball-peen hammer can be used to dimple the surface at the nail heads; the indentations are then plastered over.



PAINTING of new surfaces requires only these three basic tools—the wide paint brush, the trim brush and the putty knife (to fill in holes). The roller shown is optional and may be used in place of the wide brush as a quick paint spreader.

VARIETY of woodworking jobs can be handled by a home worktop tool such as that pictured here. This multi-purpose machine occupies only a small space, it combines the four tools most commonly used in working wood—a tilting arbor circular saw, a sander, drill press and sander.



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or for MODERNIZING OLDER HOMES



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HERE IS WHAT YOU'RE GETTING INTO

(continued from page 34)

You can get a more complete picture of what you can afford, of course, by checking with your local lending institution. When you have a pretty clear picture of the cost, you may decide to trim down your dream castle in order to settle on a plan that seems to be within your budget.

And then you will want to get blueprints.

Should I Take the Plunge?

Should you buy the plans? Yes. You will need them to get bids on the construction from contractors, and to get financing from a lending institution.

You could take a floor plan straight from the pages of the magazine to builders to get estimates; but without detailed drawings and specifications, such estimates may bear little resemblance to the final figure. Moreover, a lending institution will make no commitment on financing without detailed plans.

If you find a plan for the house you want, with modifications (for example, any plan in the pages of this magazine) write to the plan source to inquire whether the changes you have in mind are feasible; if they are, you are safe in purchasing the working drawings. These plans and specifications are a relatively small part of the total investment. (See "If You Plan to Build a GUIDE Home," page 86.)

If you engage your own architect, you can get plans drawn to your requirements, with some attention to the state of your budget and the kind of home you can afford.

What About the Lot?

Although most families buy the lot first, then decide on the house they want, home-planning counselors feel that you should select a plan first. Then see if zoning or neighborhood restrictions allow you to build it in the neighborhood in which you wish to live, and then buy the lot. (see opposite page.)



Architect: Jonathan Strong, Winnetka, Illinois

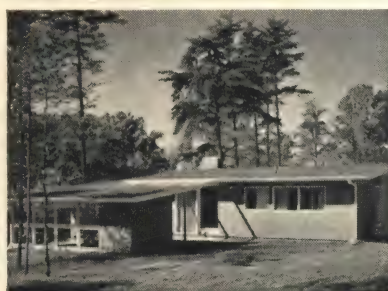
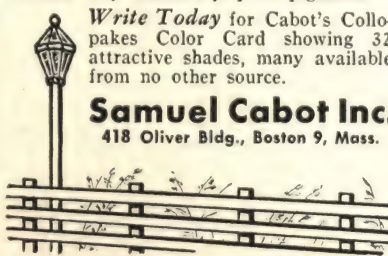
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AT LUMBER AND BUILDING SUPPLY DEALERS

By first deciding on a house plan, you will be able to buy your lot to suit—and won't, for example, end up trying to fit a 60-foot house on a 40-foot lot.

Make sure you are getting the lot free and clear. You don't want to take the chance of losing your house along with the lot if some defect in the title shows up later. (See "Legal Aspects of Home Ownership," page 96.)

What About the Mortgage?

You may have a rough idea of how much your house will cost, and you may know the price of the lot. Now is the time to visit a mortgage lending institution.

Bring your plans and specifications. Get an estimate of the amount the institution is willing to lend on the property, and learn how it will be paid out pending completion of the home. (See "The Home Financing Picture for 1954," page 89).

If you wish to shop around for advantageous mortgage terms, by all means do so. Here are some of the things to look for:

The interest rate, of course; and the period of years over which you will be allowed to repay. An estimate of the service charges for the loan. An open-end clause in the mortgage, if possible, to permit you, when you have repaid some of your mortgage, to borrow again on the original terms and up to the original amount without refinancing. Pre-payment privileges, which will allow you to repay the mortgage before maturity.

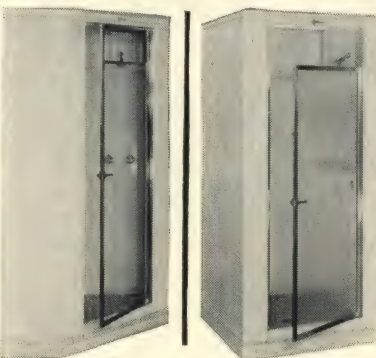
How will the lender handle your mortgage pending completion of the home? Generally, he will want to check on your contractor to be sure he is financially responsible as well as a good builder. While the contractor may ask you for cash, he will have to finance a large part of the building operations himself.

When construction has proceeded to a certain point (perhaps when the house is "under roof and roughed in") the lending institution will pay out money for the sub-contractors,

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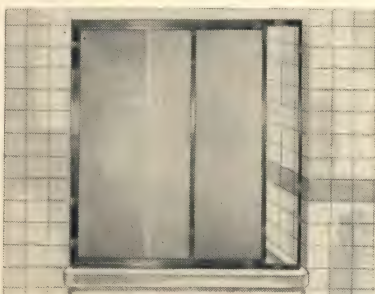
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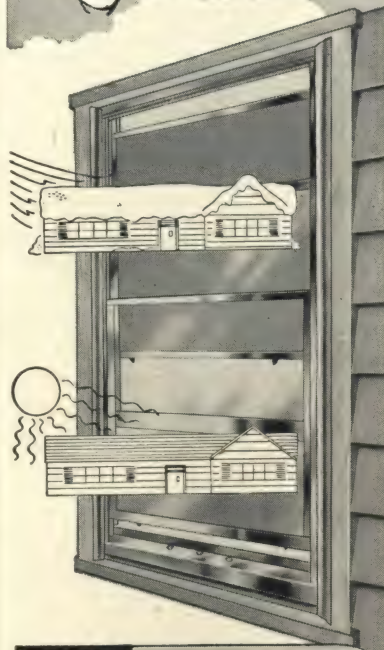
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HERE IS WHAT YOU'RE GETTING INTO

with interest starting from the date the money is disbursed.

When the building is complete and the contractor hands you the keys, the lending institution may then turn over the balance of the money due him; but many of them hold back a portion of the money until assured that the building is as specified.

How Do I Pick a Contractor?

In "Choosing a Contractor," page 114 of this issue, you will find suggestions on how to go about selecting the man who will transform your housing dream into a reality.

Your general contractor will be responsible for the building and for every detail that goes into the house.

He must follow faithfully each specification set forth in the plans, down to the number of electrical outlets in each room, the type of hardware for the front door and the style of mantel for the fireplace.

If you want to have your wife park on a nail keg and watch construction while you are away at work, by all means do so. Just ask her not to interfere with the workmen, and to take up all complaints she may have with the general contractor. (It will be helpful for her—and you—to read construction Q and A interview with one of SHG's architects, beginning on page 101.)

And . . . What Next?

You will need insurance. The first insurance policy to consider is a building risk policy to cover the partially-completed structure in the event of fire or other calamity. Responsibility for this is usually taken on by the contractor or the lending institution; the lender may prefer to handle this and bill you later. (For other facts on insurance, see "How Much for Insurance?" on page 92.)

Then get the starting date and tentative completion date set up with your contractor . . . and start counting the days.

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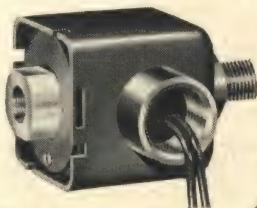
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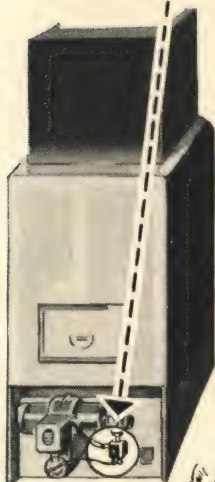
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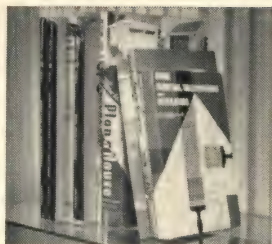
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2. Creative Home Decorating by Hazel Rockow and Julius Rockow. The principles of home decoration are explained, with many illustrations, some in color, and a highly readable text. Gives color treatment of eight different types of rooms, from the gay to the tranquil . . . Includes a color wheel to help you in deciding on your own color schemes . . . explains how to avoid blunders of mismatched furniture. *H. S. Stuttman*—\$5.95

3. Basic Tools for Woodworking by Lee Frankl. Here's a book on tools that rivals in simplicity the books prepared to teach children their ABC's. Through step-by-step diagrams, accompanied by caption-like explanations, the author describes the use of tools needed for all home workshop jobs. *Prentice-Hall*—\$3.25

4. Small House Carpentry by Lee Frankl. This is the second in a series of "recipes" for the construction of a house. It gives directions for framing, sheathing and insulating the house and includes numerous diagrams. *Prentice-Hall*—\$2.95

5. How to Plan a House by Gilbert Townsend and J. Ralph Dalzell. The prospective home-owner will find this book full of basic and authoritative information on planning, whether he is interested in a practical guide to the basic rules of house design, the practical solu-

tion of a design problem, or stimulating, creative ideas. *American Technical Society*—\$6.95

6. How to Paint with Brush and Spray edited by Sam Brown. Detailed instruction on painting the outside of your house, inside woodwork, all types of furniture and floors. Explains staining, toning, bleaching and other novelty finishes. *Popular Mechanics*—\$2.50

7. The Complete Book of Built-ins by William J. Hennessey. The author, an architect, describes a method of modernizing your home and getting increased storage space by making your own built-ins. The book shows you such tricks as making a dining table out of a flush door, replacing french doors with a bookcase-desk combination, building simple storage cabinets. *Harper*—\$3.50

"A New Catalog of Representative Government Best Sellers," available from the Superintendent of Documents, United States Government Printing Office, Washington, 25, D.C., lists a variety of publications available on construction, housing and home repairs. Most of the publications cost only 10 or 15 cents, and their titles cover popular, non-technical subjects as well as scientific studies.

Care and Repair of the House by the U.S. Department of Commerce. This popular government handbook gives comprehensive coverage of the home repairs that anyone handy with tools can take care of himself. A check list of items for possible repairs and improvements will help the homeowner who wishes to take a "stitch in time" before major repairs are needed. *Superintendent of Documents, U.S. Government Printing Office, Washington 25, D.C.*—50c (Send for direct)

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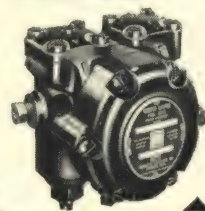
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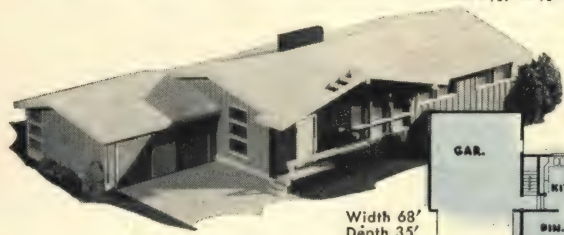
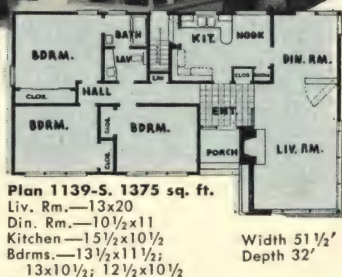
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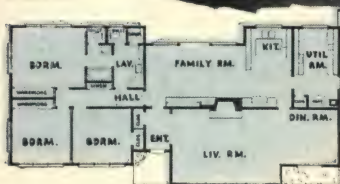


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FUNDAMENTALS OF COOLING

(continued from page 161)

liquid to cool. When we reverse the process, by converting a gas back to liquid, we release the energy that went into making the liquid a gas. This energy becomes heat, and its presence is evidenced by the fact that the liquid becomes quite hot.

Still referring to Figure 4, the liquid refrigerant in the condenser coils passes through an expansion valve into the cooling coils. Since the refrigerant is in a liquid state under extreme protest (it is normally a liquid only at temperatures many degrees below zero), it evaporates instantly to its gaseous state in the cooling coils, where the pressure is very low or a vacuum.

We are now back at heat-stealing stage. The energy (in the form of heat) required to effect the change from liquid to gas is absorbed from everything in the immediate vicinity of the

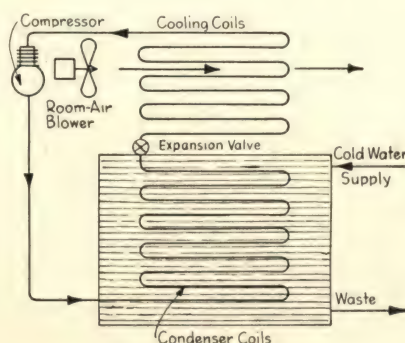


Figure 5. Air-conditioner with water cooled condenser.

cooling coils. In the household refrigerator this includes the ice-cube trays, all the food in the refrigerator compartment. Then back to the compressor goes the gas, and the cycle repeats.

Now let us get back to air conditioning. Figure 5 shows us a

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direct-expansion air-conditioning plant. Comparing Figure 4 and Figure 5, you will see that basically the two diagrams are the same. The change is that the cooling coils are cooling a room rather than a refrigerator compartment. The blower passes the room air over the cooling coils, cooling the air and removing the moisture (dehumidification). Provision must be made to carry away the room moisture, which condenses on the cooling coils.

Another difference between the household refrigerator and the household cooling plant is the manner in which the heat is carried away from the condenser coils. With the refrigerator the heat is dispersed right into the room; there isn't enough to heat

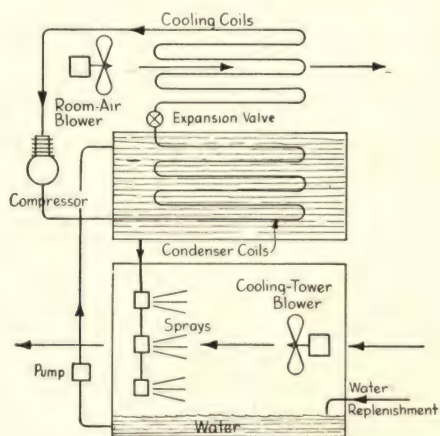


Figure 6. Air-conditioner with cooling tower.

up the room noticeably. With the cooling plant, however, the idea is to get the heat out of the house. Figure 5 shows one way.

If the water supply is corrosive or limited in quantity, other versions of the direct-expansion system are possible, using little or no water. Figure 6 shows the cooling tower in use. The cooling tower is a fairly small box-like unit, best installed in a shaded area outside of the house.

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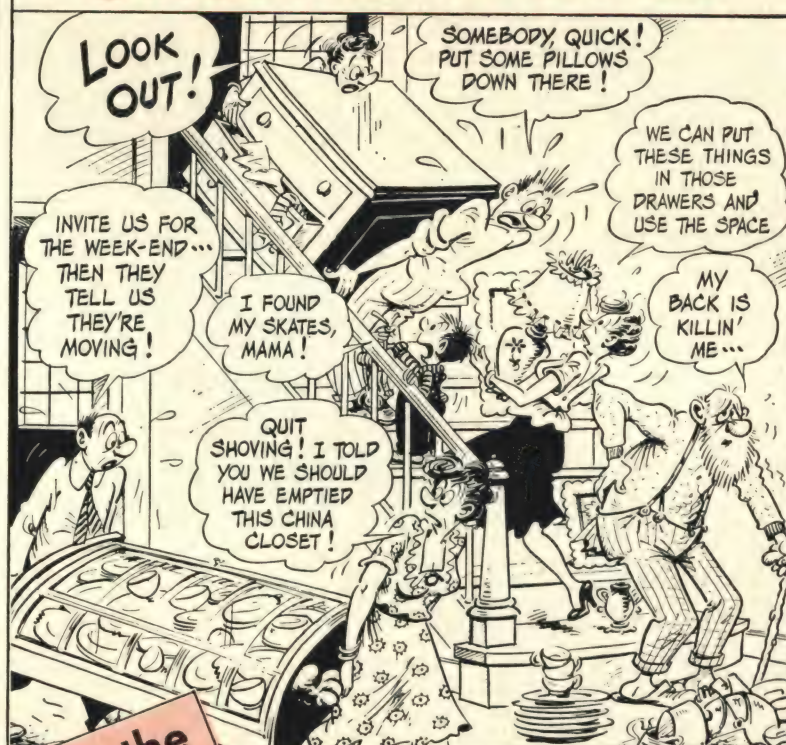
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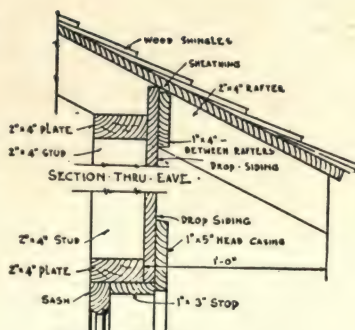
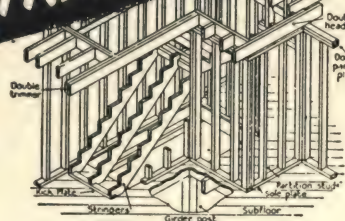
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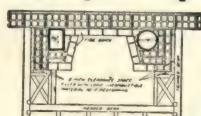
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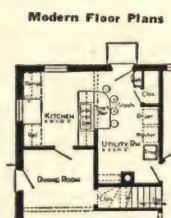
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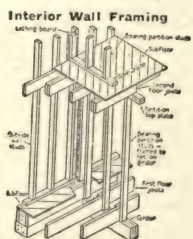
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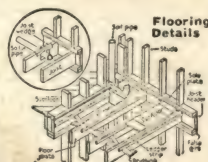
Fireplace and chimney details



Modern Floor Plans



Interior Wall Framing



Flooring Details

Excavations • Footings and drainage • Foundation forms • Sills • Girders • Joists • Sub-flooring • Exterior wall framing • Interior wall framing • Ceiling joists • Gable roof • Hip roof • Gambrel roof • Dormers • Siding and shingling • Cornices • Porches • Exterior walls of wood • Exterior walls of brick • Interior walls finished in plaster, in plywood • Wall panels • Mouldings for interior trim • Stair construction • Windows • Sash details • Window framing details • Doors and door trim • Hardware used in dwellings • Closets, shelves, built-in equipment • Breakfast alcove • Sewing room • Flooring • Chimneys and fireplaces • Mantels and seats • Outdoor fireplaces • Scaffolds • Garages • Insulation • Arches and gates • Lattice porch, lattice trellis • Garden benches, tables • Swings and other garden furniture • Picket fences • Log cabins, camps, cottages • Barns • Feeders and nests • Rabbit hutch • Septic tank • Painting and finishing • Heating systems • Air conditioning systems • Pre-fabricated houses • Useful information for Home builders including architectural styles and data on modern building materials.

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FUNDAMENTALS OF COOLING

(continued from page 267)

The cooling tower operates in exactly the same manner as the evaporative cooler shown in Figure 1, except that, since the temperature of the water is higher, the cooling tower can function even in an area of high humidity. The cooling water passes over the condenser coils, is fairly hot when sprayed into the air. Some heat is lost through evaporation; some is carried off by action of the cooling tower blower. (Outdoor temperature is always considerably less than condenser temperature, even on the hottest days.) Since some of the cooling water is lost through evaporation, a small amount has to

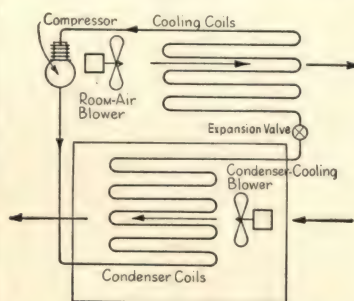


Figure 7. Air-cooled-condenser unit.

be replenished constantly while the system is in operation.

Figure 7 shows how to get along without water. With this system the compressor and the condenser coils may be moved entirely out of the house, making possible a more quietly functioning system as far as the householder is concerned. The condenser coils are air cooled, heat being removed by the blower.

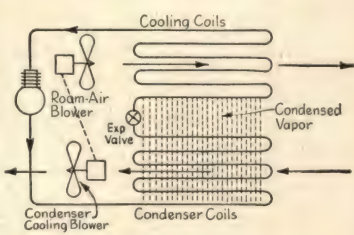


Figure 8. Room air-conditioner.

Function of a typical room cooler, in which all the operations of the cycle are combined in a single compact unit, is shown in Figure 8. An ingenious device is used to get rid of room moisture that condenses on the cooling coils in the dehumidification process—the condensate is allowed to drip over the condenser coils; it evaporates when it hits the hot tubing.

If you are planning to air-condition your new home, the foregoing explanations should help you discuss intelligently the choice of equipment with your air-conditioning contractor.

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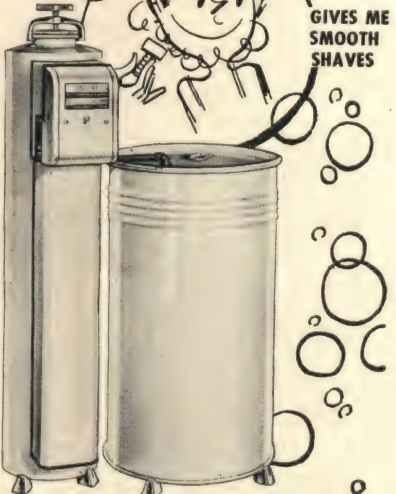
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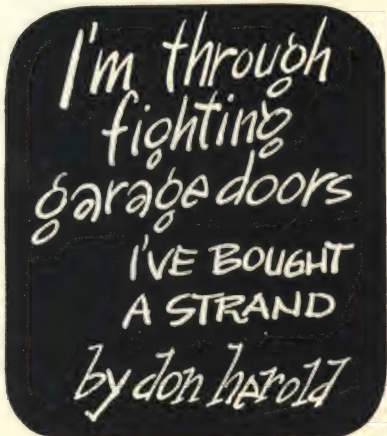
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In the past I've rented houses with all kinds of garage doors. I've fought rickety wooden doors, dented aluminum doors and inferior steel doors.

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LEGAL ASPECTS

(continued from page 99)

you might guess, however, a quarrel between them can lead to serious difficulties. If you lack space for a private driveway and feel that a common drive is the best solution, have a lawyer prepare and record a written agreement stating the rights and responsibilities of both you and your neighbor.

Who owns the parkway in front of my house. Do I, or does the city?

Speaking practically, the city does. It is possible you live in an area where the parkway lies within your lot lines. Even there, however, the city has the right to use it for "street purposes," such as sewers, water and other utilities.

I think my neighbor's garage encroaches on my lot. How can I find out?

There is only one sure way to find out; get a surveyor to make a plat. This plat, or plan, will locate all improvements on your property, and will show whether the neighbor's garage comes over the lot line.

Do I lose any rights by allowing such an encroachment?

If there is an encroachment, you will do well to consult your lawyer. For if you take no action, you may lose title to the land on which the encroachment takes place.

How does the death of a former owner, or the filing of a will, affect title to property?

When an owner dies, the rights of his heirs are elaborately protected by law. If there is no will, the court must decide who the rightful heirs are. But even then such decision by the court is not final or binding on any heir whose name is omitted. If the court should make a mistake by leaving out an heir, his title would not be affected or his rights prejudiced. Even under a will, the court may have to settle questions of interpretation of the will. This situation frequently is the cause of contested ownership.



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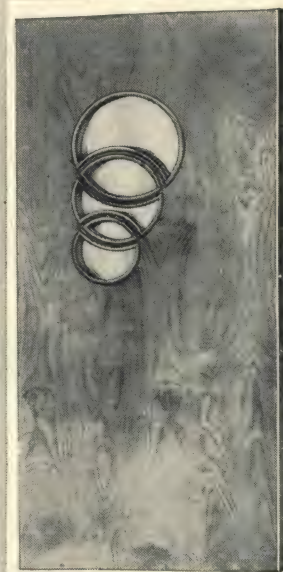
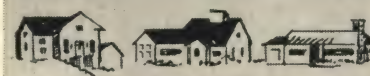
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There is a wealth of valuable information in the manufacturers' booklets offered on these pages. The coupon on pages 273-274 is for your convenience—it is numbered to match the booklets reviewed here. There is a charge for some of these booklets, so do not forget to enclose the correct amount.

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60. CEDAR-LINED CLOSETS—An attractive, colorful 8-page booklet describes seal-packaged Supercedar Closet Lining. Actual installation pictures. Shows how to plan more and better closets. Includes table of footage requirements for various sizes of closets. George C. Brown & Co., Inc.

61. MAGIC IN YOUR ATTIC—Easy-to-follow instructions on how to convert attic areas into storage space, living quarters, playroom, or hobby and den space. "Do-it-yourself" advice and illustrations keep cost of conversion down. EZ-Way Sales, Inc.

62. HOW TO SAVE TIME AND MONEY BY INSTALLING Your Own Stairway—6-page informative catalog contains illustrated descriptions of different styles of pre-cut packaged stairways. Also includes complete specifications, ordering instructions and other important money-saving benefits. The Stair-Pak Co.

63. FOLDING ATTIC STAIRWAY—Illustrated folder on the famous Precision folding attic stairway which is actuated by counter weights that operate on roller bearings. Raises and lowers easily with one hand. Install it yourself at low cost. Precision Parts Corp.

Windows

65. ALUMA KRAFT ALUMINUM AWNINGS—Shopper's Guide gives information regarding the various things you should look for before you purchase aluminum awnings. Enclosed with the Shopper's Guide is complete information regarding Aluma Kraft all-aluminum window awnings, doorway awnings and carports. Aluma Kraft Mfg. Co.

66. MODERN, MONEY-SAVING ALUMINUM Windows—Interesting new booklet covers double-hung, casement, projected and awning types of aluminum windows. Explains importance of Quality-Approved seal in selecting your windows. Aluminum Window Manufacturers Association.

67. WINDOW IDEAS—36 pages of helpful window information. Packed with picture ideas for planning new homes and remodeling. Many photographs of beautiful Andersen WINDOW WALLS, some in color. Andersen Corp.

68. FAMOUS BEE GEE WINDOWS—styled as a complete unit, will give your home new charm, inside and out. Booklet illustrates 179 styles, sizes of all-wood picture, casement windows. Bee Gee automatic storm sash, which opens automatically when window is opened, is available for all models. Brown-Graves Co.

69. FENESTRA RESIDENTIAL PROJECTED Steel Windows—Shows new awning-type, rain-shedding window offering choice of outswinging vents, inswinging vents, or combination of the two. Available hot-dip galvanized—no painting ever. Screened from inside. Air conditioning unit fits. Detroit Steel Products Co.

70. FLEETLITE COMPLETE ALUMINUM WINDOWS—Describes new windows with extruded aluminum frame, house sash, storm sash and screen; use of new materials—plasticscreen, Koroseal glazing, Mohair weather-stripping. Shows matching picture windows. **71. Above plus, "Beautiful Picture Windows,"** 32 pages, 73 drawings. Price 25c. Fleet of America.

72. AWNING WINDOWS—Illustrated brochure describes the true awning window. It has been performance-proven in all climates, with a 13-year record of satisfactory service. It provides rain protection when open, 100% ventilation control, and closes TIGHT. Inside screens interchangeable with storm sash. Gate City Sash & Door Co.

73. TO THOSE ABOUT TO BUILD—A 15-page booklet describes the advantages of steel residence casements, compares them with double-hung windows and offers suggestions for the location of windows in rooms. Well-illustrated with photographs, drawings and diagrams. Hope's Windows, Inc.

74. ALUMINUM AWNINGS THAT ACTUALLY Roll—New 4-color brochure shows how to beautify and protect your home with an aluminum awning that actually rolls up and down, providing finger-tip sun control. Orchard Brothers, Inc.

75. BE WINDOW WISE—New colorful folder with full data on horizontal sliding aluminum windows designed to enhance every room in your new home. Shows how Peterson Windows have built-in self-storing storms & screens—wash from inside—never require paint—blend with latest exterior styling ideas. Peterson Window Corp.

76. WINDOW INSTALLATION—made easy for new construction or remodeling by the 16-page R.O.W. booklet, "Why Do It The Hard Way?" Problems of planning opening sizes, setting, squaring, anchoring and insulation are explained in detail. 29 color illustrations simplify the job for novice or old-timer. R.O.W. Sales Co.

77. SUN-SASH LOUVERED WINDOW IDEAS—New attractive booklet illustrates 50 louvered window ideas for kitchens, bathrooms, porches, breezeways and for commercial uses. Illustrations show how it can be installed vertically or horizontally as windows or for interior partitions. Sun-Sash claims lowest cost louvered window. Price 10c. Sun-Sash Co.

78. RESIDENTIAL METAL WINDOWS AND Doors—Complete description of construction details and advantages. Types and sizes available. Also contains brief descriptions of other steel building products for residential construction. Truseon Steel.

79. EXTRUDED ALUMINUM STORM-SCREEN Windows and Doors that eliminate seasonal change-over. Described in WARNER WEATHER-MASTER'S new pamphlet pack. Explains basement-to-attic protection, controlled ventilation, fuel savings, heat loss, summer insect-free living indoors and out-of-doors. Plus: "Weather Forecasting." Warner.

Screens

80. LUMITE SCREENING—At last, Saran window screening that can't stain sidewalls, rust or corrode. Easy to install, Lumite Screening costs only 12c-13c per square foot (slightly higher west of the Rockies). Free sample included with descriptive folder. Lumite Div., Chicopee Mills, Inc.

81. FACTS ABOVE NEW FIBERGLAS SCREENING—Tells how Fiberglass Window Screening saves you time, work and money because it's stain-proof, corrosion-proof, shock-proof and fire-safe. Tells why new Fiberglass Screening is such a good buy. Owens-Corning Fiberglass Corp.

82. PASSING THE SCREEN TEST—Booklet tells why permanent, low-cost screening woven of Firestone Velon can't rust, bleed, bulge, never needs maintenance . . . why weather extremes can't harm it. Cartoon-illustrated, humorously written. Plastic Woven Products, Inc.

Interior Finish

83. IDEA BOOK OF TILE—Filled with new modern ideas of uses for real clay tile! Shows full-color, exact scale, tiled kitchen, bath, recreation and powder rooms. Helps you plan tile installations to fit your budget. Price 10c. American-Olean Tile Co.

84. SO EASY IT AMAZES—Marvelous new Birge QUICK, the do-it-yourself Wall Covering requiring no tools, no trimming, no pasting. Send for brochure. Gives full information about QUICK. You can QUICK-decorate any room in the house over a weekend. The Birge Co.

85. MODERN HARDWOOD FLOORS—Literature with color photos of beautiful oak floors of Bruce Blocks. This prefinished parquet floor gives smart style and natural charm at moderate cost. Can be laid over wood or concrete. Also folders on **86. Bruce Ranch Plank** and **87. Bruce Strip Floors**. E. L. Bruce Co.

88. DESIGN IDEAS AND COLOR RANGE IN Hako Coronet Plastic Wall Tile, Hako Vinylflex Plastic Floor Tile, Hako Asphalt Tile Flooring, Hako Poly-Krome Floor Tile, Hako Parquet Floor Tile. Instruction booklets on installation of floor tile, wall tile; on use and application of Hako Laminate Cement, Hako Ceramic Tile Cement. Hachmeister.

89. MARLITE PLANK AND BLOCK FOLDER—New full-color folder shows the 10 new "companion colors" styled by Raymond Loewy Associates, and 4 authentic wood patterns available in Marlite Plank & Block. Many full-color photographs and illustrations show installations of Marlite Plank & Block. Technical specifications also included. Marsh Wall.

90. INSTALL-IT-YOURSELF INSTRUCTION KIT—Includes directions for installing Aristoflex vinyl-plastic tile flooring and all other MATICO products; also instructions for estimating tile quantities . . . color charts of tile . . . and other illustrated literature. Price 10c. Mastie Tile Corp. of America.

91. PUT NEW LIFE IN YOUR HOME LIFE—Practical, beautiful suggestions for the use of real clay tile throughout your home. All in full color and with specifications for both new and modernized homes. The Mosaic Tile Co.

92. PLASTIC WALL TILE—Folder in full-color shows how to plan colorful and exciting walls of enduring beauty for kitchens, bathrooms, laundry, rumpus room with Lockback Plastic Wall Tile. Wilson Plastics.

93. SEND FOR "IDEAS UNLIMITED"—THE New Clay Tile Handbook—Make your home more colorful, more livable, more efficient with clay tile. Booklet, in full color, gives you countless practical, decorative ideas for clay tile in every room of your home. Price 10c. Tile Council of America.

94. COLOR SUGGESTIONS FOR CLAY TILE—This interesting folder gives useful hints for beautifying bathrooms and kitchens with real clay tile that is fireproof, stain-proof, acid and waterproof. Many modern sunfast colors. For new and old homes. U. S. Quarry Tile Co.

95. INSTALL YOUR OWN VIKON WALL TILE—A beautiful brochure in full color with helpful suggestions and illustrations for beautifying your home—shows 26 decorator colors available—also easy-to-follow installation instruction pamphlet. Price 10c. Vikon Tile Corp.

Residential Doors

96. 48 DIFFERENT DOOR DESIGNS—52-page illustrated booklet shows each door pattern. Styles are suitable for all types of architecture. Exterior flush doors shown are made with either birch or fir facing with solid core construction. Price 10c. Ange Novelty Co.

97. A USEFUL, LIVABLE BASEMENT INCLUDES a BILCO Door. Descriptive folder tells you why. Sizes, prices, local dealer's name. **98. Home plans**. 2 books. 48 attractive designs by country's leading architects. Both for 50c. The Bilco Co.

99. PICTURE PANEL FIR DOORS—Four-color booklet with novel suggestions for decorating Fir Panel Doors with fabrics, wallpaper, maps and decals. Tips for dramatic remodeling of all rooms with dependable, low-cost panel doors. Fir Door Institute.

100. PLANNED BEAUTY AND SERVICE IN DOORS—Colorful, illustrated folders show an easy way to beautify homes, offices or institutions with attractive Rezo flush doors. Valuable suggestions for modernizing the appearance of your rooms; also, tips on what to watch for in quality hollow-core door construction. Paine Lumber Co., Ltd.

101. WOOD FOLDING DOORS—Booklet shows how decorative Pella Natural wood folding doors create more useable wall and floor space for furniture placement. Ideal for closet fronts, bedrooms, movable partitions between living and dining areas. Stock or custom sizes. Rolscreen Co.

102. WHY BOTHER WITH OLD STYLE DOORS?—Illustrated folder on Warren Folding Doors, a serviceable woven-slat-fabric door or divider for enclosing closets, dividing rooms, forming wardrobes, clearing "dead" corners, etc. Economical, easy to install. 10 pastel colors, 2 standard sizes from building material or lumber dealers. Warren Shade Co.

Garage Doors

103. ALL ABOUT GARAGE DOORS—Folders illustrate, describe types of residential overhead garage doors. Complete catalog of all types of residential and commercial overhead doors with detailed specifications and descriptions; also data on electric operators and radio controls. Calder Mfg. Co.

104. HOW-ELL-DOR GARAGE DOORS—Catalogs and folders show 44 stock sizes and designs, also custom built How-ell-dors . . . Install it yourself . . . Illustrated instruction sheets show you how. Electric operator catalogs explain the convenience of push button control. Howell Mfg. Co.

105. ALL NEW FULL-COLOR 8-PAGE BOOKLET describing advantages and construction of Morrison Roly-Door Steel Sectional Garage Doors. Features representative types of homes using Roly-Doors and a unique exploded view of the Roly-Door. Morrison Steel Products, Inc.

106. LATEST GARAGE DOOR FOLDER—Starring America's great name in quality doors, The OVER-HEAD DOOR. Newest designs shown in full-color. Tips on getting the most door for your money. Also data on Electronic Miracle Control—opens garage from locked car for convenience and safety. Overhead Door Corp.

107. CHOICE OF STANDARD OR CLASSIC model doors styled for today's up-front garages; smooth-running, quiet, trouble-free. Folder shows how TAPER-TITE tracks and SEAL-A-MATIC hinges make doors close snugly and open freely. All models available with electric operators. Rowe Mfg. Co.

108. GARAGE PLANS AND IDEAS—32 pages of helpful information and illustrations; how to build a better, more useful garage; 12 original garage designs and floor plans by nationally-known designers; how-to-build instructions, material lists, driveway sketches. Information on Strand All-Steel Garage Doors. Price 10c. Strand Garage Door Div.

Hardware

109. "SPACE SAVING IDEAS" with GRANT sliding door hardware. Illustrated idea booklet shows eleven ways to beautify your home and conserve space. Not a "How-to-do-it" booklet, but does give exciting suggestions, shows hardware needed. Every room and hallway can be made more useful and attractive. Grant Pulley & Hardware Corp.

110. HOW TO SELECT THE RIGHT HARDWARE for Your Home—Contains hardware check list, easy selection chart for hardware to match the design of your home, suggestions for entrance door trim and hardware for every room. Furniture cutout card helps you plan rooms. Price 10c. McKinney.

111. WHERE SCREWS WON'T HOLD—Explains use of Molly screw anchors to hold fixtures securely to floors, ceilings, or any hollow-wall construction. Anchorage remains permanently out of sight behind wall. Fixtures can be removed and replaced in same anchorage without defacing walls, etc. Molly Corp.

112. SARGENT ALIGNALOCK—Folder illustrates and describes brand new line of guaranteed residential locks backed by the famous Sargent name. Modestly priced, top quality, especially easy and quick on installation. Brass, bronze, aluminum and chrome finishes. Sargent & Co.

113. HOME PLANNERS' GUIDE—For your adventure in home planning. In brilliant full color, brochure pictures many Schlage lock designs and entrance door ideas that will add distinction to your home. There's even a section on how to select the proper lock for greater living convenience in each room of your home. Schlage Lock Co.

114. STERLING SLIDING DOOR HARDWARE—Illustrated folders show Sterling sliding door hardware for wardrobe doors, passage doors, cabinet doors and side doors in home garages. With Sterling hardware in your home you can be sure of trouble-free service and good performance. Sterling Hardware Mfg. Co.

115. HANG WALL FIXTURES SAFELY—Free do-it-yourself booklet shows how to fasten fixtures to the walls of your home the easy way. Secure mountings that never become loose. Fully illustrated. U. S. Expansion Bolt Co.

Wood—Woodwork

116. BEAUTIFUL WOOD FOR BEAUTIFUL HOMES—Informative booklet full of ideas for home remodeling and new home building with Weldwood plywood and other materials. Numerous illustrations of room interiors, basement to attic. Instructions for installing wall panels are included. Price 10c. U. S. Plywood Corp.

117. PHILIPPINE MAHOGANY PANELING—Built-ins, Mantels, Staircases, Cabinets, etc. New four-color folder, "For a Beautiful Home—Philippine Mahogany," and finishing information. Philippine Mahogany Association, Inc.

INSURANCE

118. THOROUGH PROPERTY INSURANCE FOR the Home—A booklet that makes fire and other property insurance policies easily understood; helps you know just what you need for maximum protection at minimum cost. American Mutual Liability Ins. Co.

119. HELPFUL INVENTORY BOOKLET—To list and value your personal and household property. If fire, burglary or other loss occurs, it's your job to prove your loss for insurance claim. Your inventory will aid you. American Mutual Liability Insurance Co.

120. HOW TO BUILD OR REMODEL FOR THE Safety of Your Family—Helps you plan for greater safety from fires and accidents. 48 pages, illustrated. Also valuable 24-page book to record inventory of your household furnishings, records of value and date purchased, room by room. Home Insurance Co.

EQUIPMENT

121. AMERICAN-STANDARD HOME BOOK—Bathrooms, Kitchens, Heating—Full-color book offers money-saving ideas for home building and modernization. Presents beautiful room scenes and helpful details on a wide variety of products which add value to the home. Price 10c. American-Standard.

122. THE PREFERRED PLUMBING FOR THE Modern Bathroom—5 modern bathrooms in color. Information on countertop lavatories. **123. The Modern Kitchen**—types of kitchens, layouts, basic equipment and accessories. **124. Everything for Heating**—All types of heating, boilers, furnaces and accessories. Crane Co.

125. NEW IDEAS FOR KITCHENS AND BATH-rooms—Two pieces of colorful, pictorial literature show how Beauty-Bonded Formica beautifies these two important rooms. Colorful and carefree sink and cabinet tops. New ideas for bathroom Vanitory unit. Samples of popular Formica colors and wood grains sent with literature. The Formica Co.

126. FRIGIDAIRE HOME APPLIANCES—Refrigerators, Ranges, Food Freezers, Washers, Dryers, Ironer, Water Heaters, Dehumidifier. Literature describes types and sizes to meet your particular needs. Other Frigidaire folders available. Frigidaire Div., General Motors Corp.

127. WHAT YOU SHOULD KNOW ABOUT Plumbing Drainage—An interesting 16-page booklet for the homeowner giving the basic facts about a home's lifeline, its sewerage pipes. It tells what to do if you are building a new home or already own one. Cast Iron Soil Pipe Institute.

128. NEW . . . ALIVE WITH IDEAS—You'll love this new brochure written by Helen Aves, noted feature writer. 32 pages, sparkling with illustrations, full of money-saving ideas on enlarging your closet space. Tells what to do about closet space for Mother, Dad and the children; about kitchens, too. Price 10c. Knappe & Vogt Mfg. Co.

129. KOHLER PLUMBING FIXTURES FOR THE Home—Colorful 24-page booklet illustrates latest Kohler of Kohler fixtures in white and colors. Has suggested bathrooms, washrooms and kitchens in color, with floor plans. Shows various styles and sizes of baths, lavatories, closets, sinks, laundry trays and fittings. Kohler Co.

130. INDOOR INCINERATOR—DISPOSAL UNIT for Garbage and Trash-Burner Waste—Bulletin describes how compact, inexpensive unit, attached to furnace flue in basement, kitchen or utility room, eliminates cleanly and quietly ALL refuse. Patented downdraft and jet-action insure efficiency of gas-fired or fuelless models. The Majestic Co., Inc.

131. LIFE CAN BE BEAUTIFUL—With Modern softened water in your home, for silky shampoos, soft-smooth skin, sparkling dishes and glassware, brighter laundry, big savings and other benefits. Literature tells all about Modern water softeners and automatic electric water heaters. Modern Water Equipment Co.

132. DANGER SPOTS IN THE HOME—Points out methods for getting proper ventilation, lighting and heating in the home. Emphasizes use of Blo-Fan and Aerofan electric exhaust ventilators for getting rid of grease, steam, odors and fumes. Shows proper lighting with Pry-Lite recessed lights and safe, adequate heat with Glomaster Heaters. Pryne and Co.

133. HOW TO GET ECONOMICAL GAS SERVICE Wherever You Live. Tells how you can enjoy modern, low-cost gas service for cooking, water heating and refrigeration beyond the gas mains. Dependable. Easily installed. Fully automatic. (Available east of Rockies only.) Pyrofax Gas Co., A Unit of Union Carbide & Carbon Corp.

134. TAKE HARD WORK OUT OF HOUSE Cleaning—Theme of 2 amusing booklets in fable form. One tells how to keep floors, tabletops sparkling-beautiful with versatile Regina Polisher-Scrubber. **135. Other** reveals new, minute-quick way to "company-clean" home every day with lightweight Regina Elektrikbroom. The Regina Corp.

136. WATER HEATERS—Gas, oil, electric automatic water heaters. **137. Central Heating**—Gas Space Heaters—Gas-fired floor furnaces and consoles. **138. Soft Water Appliances**—Semiautomatic and automatic models. Rheem Mfg. Co.

139. 1954 RITTENHOUSE DOOR CHIMES—Describes America's Finest Chime Signals. 15 surface chimes styled for every type of home. **140. Modern-call flush-in-wall Chime Systems** provide complete signal audibility throughout any size home. Also, individual Moderncall Chimes. The Rittenhouse Co., Inc.

141. INCREASE THE COMFORT AND PROTECTION of Your Home—Illustrated folder describes convenience and protection advantages of VENT-ALARM Whistling Fill Signal for home fuel-tank installation, new or existing. Scully Signal Co.

142. GUIDE TO HOUSEHOLD REPAIRS—48-page illustrated handbook gives practical, simple directions for economical, lasting methods for stopping leaks, sealing cracks, tightening loose parts in furniture, kitchen equipment, heating and plumbing systems. No heat or special tools required. Just mix and fix. Smooth-On Mfg. Co.

143. PLAN A CAREFREE KITCHEN—Built-in electric cooking tops, ovens, and warming drawer. Data on planning, installing for greater convenience.

144. Quick Warmth and Comfort Control—Built-in electric circulating heaters for complete systems. **145. Save On Building Costs**—Infrared electric bathroom heaters. Thermador Electrical Mfg. Co.

146. PROVOKING COOKING GREASE AND Odors Consumed—Literature describes how Vent-A-Hood, covering the ENTIRE range area, instantly removes cooking steam, greasy vapors, odors, heat from the house. No interference with air-conditioning or heating. Pays for itself in savings on redecorating and cleaning. Vent-A-Hood Co.

Heating and Air Conditioning

147. AMERICAN-STANDARD SUNBEAM AIR Conditioner Division "Home Book"—Illustrates and describes industry's most complete line of warm air heating and summer cooling products. Contains much information helpful to homeowners. Price 10c. American-Standard.

148. THE MIRACLE OF WINTER AIR CONDITIONING—20-page booklet explains in simple terms the four functions of winter air conditioning, how they are accomplished and their application to homes. Describes health benefits as compared to "old-fashioned" heating. Discusses initial and operating costs. Armstrong Furnace Co.

149. HOW TO GIVE PROPER HUMIDITY—Colorful brochure gives information on how to enjoy better health and comfort from BALANCED HUMIDITY. Tells how low-cost Vaporite Humidifiers can be easily installed in warm air furnaces. Automatic Humidifier Co.

150. CAPTURE THE SUN WITH B & G HYDRO-Flo Heating—Discover how this modern forced hot-water system can give your new home an utterly superior kind of comfort—plus all-year-round hot water. Can be installed with radiant panels, baseboard units, radiators or convectors. Bell & Gossett.

151. ENJOY HOT WATER HEATING COMFORT—with BASE-RAY Radiant Baseboards and Pace-Maker Boilers (with year-round domestic hot water). Also available complete new line Burnham Room Air Conditioners—window and console models. Be comfortable all year. Descriptive literature available. Burnham Corp.

152. HOME OWNER'S GUIDE TO BETTER Living Through Better Heating—Valuable guide in selecting proper type and size automatic heating unit for various home styles and sizes. Explains ease of conversion from oil to gas. Color photographs show each type of Century automatic heating unit. Century Engineering Corp.

153. CHRYSLER AIRTEMP AIR CONDITIONING—Colorful, illustrated booklet describes Chrysler Airtemp's new air-cooled year-round air conditioning for all types, sizes of homes. Features revolutionary furnace design for most efficient warm-air heating. Airtemp Div., Chrysler Corp.

154. COLEMAN BLEND-AIR CONDITIONING—Brings year-round comfort to your home. Magic Blenders in each room keep temperatures uniformly cool in summer, warm in winter—constantly deliver clean filtered air. Low installation and operating costs. See ad on page 91. The Coleman Co., Inc.

155. STEEL PIPE SNOW-MELTING AND ICE-Removal Systems—32-page color booklet shows advantages, installation and engineering factors of snow and ice-melting systems, using steel pipe, in domestic and commercial applications. For sidewalks, driveways, garage aprons, etc. Committee on Steel Pipe Research, American Iron & Steel Institute.

156. DELCO AUTOMATIC HOME HEATING—Literature describes Delco-Heat oil and gas equipment for modernizing all types of heating systems. Conversion burners for use with present furnace or boiler, and complete boilers and regular or winter-summer Conditionair units. Delco Appliance Div., General Motors Corp.

157. COMPLETE OR AUXILIARY HOME HEATING by Electricity—New colorful folder tells how you benefit from clean, healthful electromode heat—save money on installation in new or modernized home. Illustrates wall-type and portable models in designs and capacities for all size rooms; automatic or manual control. Electromode Corp.

158. HOMEOWNER'S GUIDE TO GOOD BOILER Selection—Colorful, descriptive folder points up important features to look for in good boiler selection. Tells how the Fitzgibbons home boiler exceeds ordinary requirements, provides heat and hot-water comfort at lowest cost. Complete specifications included. Fitzgibbons Boiler Co., Inc.

159. AUTOMATIC ROOM TEMPERATURE CONTROL at Your Fingertip—Color folder explains how B-60 all-gas room temperature control systems cut fuel costs; are safe, silent and self-operated; require no outside current. General Controls Co.

160. G-E HOME HEATING AND COOLING—Informative booklets on latest methods of heating and cooling for new and existing homes. Complete data on many types of equipment and systems . . . year-round air conditioning, cooling systems—water or air cooled, gas and oil warm-air furnaces, gas and oil boilers. Air Conditioning Div., General Electric.

161. YEAR-ROUND FRIGIDAIRE CONDITIONER—Forced warm air heating with gas or oil in winter, cooling by refrigeration in summer gives you a "one temperature home." Illustrated folder available containing complete facts and specifications. Frigidaire Div., General Motors Corp.

162. WHAT YOU SHOULD KNOW ABOUT HEATING—Contains full information about latest developments in home heating and cooling, including baseboard and perimeter heating. Explains heating principles and systems; tells how to get the most for your money. Hall-Neal Furnace Co.

163. 179 WAYS TO CUT HEATING COSTS—Helpful new booklet lists largest number of ways ever given in one place to save on fuel bills. Many of the suggestions can easily be carried out by owners, often at little or no cost. Booklet is subdivided for every type of heating plant, and for oil, gas and coal. Price 10c. The Heil Co.

164. 12 PLANS FOR HOME HEATING AND AIR-Conditioning—32-page booklet helps home owner weigh comparative advantages of modern heating systems. Covers all of the most practical methods for using warm air, hot water and steam heating, together with essential facts on cooling equipment. Iron Fireman Mfg. Co.

165. KRESKY UNITS FOR HEATING—OIL OR Gas—Literature and illustrations describe oil and gas heating equipment. For modernizing or new construction there's a Kresky unit to fit . . . dual-wall, floor and forced-air induction burner. Kresky Mfg. Co.

166. DESCRIPTIVE LITERATURE HAS HELPFUL information for home builder or home modernizer on how to select your heating system, what to look for in air conditioning. Practical, factual, understandable. The Lennox Furnace Co.

167. HOW TO SELECT PERFECT HEAT FOR Your Home—Extremely helpful 24-page booklet describes H. C. Little automatic, self-lighting oil and gas furnaces for installation in the basement, floor or wall, at floor level or in the attic. Units for every home heating need. See ad on page 163. H. C. Little Burner Co., Inc.

168. WARM AIR HEAT AND DOMESTIC HOT water year-round from just one METROMATIC Furnace. Booklets describe models for any size home as new installations or modernizing. Only unit of its kind on the market. See ad on page 261. METROMATIC claims lower cost to buy, install and operate. Metromatic Mfg. Co.

169. ELECTRONIC MODUFLOW—New Honeywell heating control system for homeowners who want the ultimate in automatic comfort. 16-page illustrated booklet gives factual explanation of how your family will benefit. Tells how supersensitive thermostats measure temperature indoors and out to give comfort. Minneapolis-Honeywell.

170. GAS AND OIL FURNACES—Illustrated literature on MOR-SUN warm air-conditioning furnaces—gas, oil or bottled-gas operated—in styles and capacities for economical, dependable and automatic year-round home heating and conditioned air comfort. The perfect answer for new homes or modernization. Fully guaranteed. Morrison Steel Products, Inc.

171. COLORFUL NEW 16-PAGE BOOKLET helps in home planning or modernization. Suggests ways to minimize effect of hot sun in summer, icy blasts in winter. Allows you to plan for perfect year-round indoor comfort. Describes heating and cooling system for all types of homes and with all fuels. Mueller Climatrol Corp.

172. LOW-COST AIR COOLED AIR CONDITIONER—Brochure describes marvelous MARVAIR! No plumbing, no ducts. Installed in attic or false chimney, takes no floor space. Not connected with furnace; works with any type heating. Any home can afford air conditioning with MARVAIR! Muncie Gear Works.

173. ILLUSTRATED BULLETINS—National Packet all-in-one, automatic, hot water home heating unit and National Art Baseboard. Informational data on modern hot water heating system for new homes or modernization of existing homes. The National Radiator Co.

174. IMPROVEMENT ON SUMMER—Colorful folder shows how Perfection's revolutionary furnace invention, REGULAIRE, provides a wonderful new measure of warm-air comfort. See why only Perfection with 3-stage fire and Regulaire blower eliminates "cold-floor blues" and assures smooth, all-over warmth. Perfection Stove Co.

175. THE LADY WHO LOVED A THERMOSTAT—Cleverly illustrated booklet tells how to get greater comfort with the "Magic Dial" thermostat. Explains how added sensitivity of the "Magic Dial" assures most even temperature possible with whatever heating system you have. Perflex Corp.

177. COMFORT FROM MODERN REZNOR Heating—Shows how you gain living space by heating your home with the compact, automatic Reznor PAC Gas Furnace. Appliance-styled for hidden or open installation. Heats evenly with natural, manufactured, mixed or LP gases. Efficient, economical. Reznor Mfg. Co.

178. COOLS YOUR HOME IN SUMMER—HEATS Your Home in Winter—Folder describes all-year air conditioning—the comfort and convenience it provides you. A flick of a switch gives cool, clean air with the moisture removed in summer, and warm, draft-free air with the right amount of moisture added in winter. Servel.

179. SAF-AIRE GAS HEATING—Clean, safe, automatic heating for one room or entire house. Ideal for heating added rooms, enclosed porches, garages, workshops, bathrooms, attic apartments. Saf-Aire units are easily installed in an outside wall at any level. Stewart-Warner Corp., U.S. Machine Div.

180. WINKLER AUTOMATIC OIL HEATING AND Cooling Equipment—Complete line of oil furnaces, boilers and oil burners, for radiant or warm-air heating. Summer cooling units. **181. Complete line** of gas furnaces, boilers and gas burners for radiant or warm-air heating. Exclusive money-saving features. Stewart-Warner Corp., U.S. Machine Div.

182. ANSWERS TO YOUR HEATING QUESTIONS—Covers the importance of heating the new or modernized home. Answers most of the frequent questions homeowners ask about various heating and air conditioning systems in easy-to-understand, non-technical descriptions. Surface Combustion Corp.

183. WALL HEATER AND FLOOR FURNACE Brochure—Contains full-color illustrations, descriptions and specifications on Temco Automatic Gas Wall Heaters and Temco Gas Floor Furnaces. Explains why Temco Gas Heating Equipment, built by America's gas heating specialists, is more economical to buy, install and operate. Temco, Inc.

184. YOUR HEATING—AND WHAT TO KNOW About It—Colorfully illustrated, informative booklet. Asks questions—gives answers you need to know about YOUR heating system in easy-to-understand language. Packed with facts and figures that will help you select the right "indoor comfort" for your home. Thatcher Furnace Co.

185. LOW-COST RADIANT HEAT—For even the smallest budget home. New illustrated booklet tells of finest automatic home heating, forced circulating hot water, which can be installed with radiant panels, baseboards, radiators or convectors. Provides year-round domestic hot water. H. A. Thrush & Co.

186. MODERN LIVING WITH GAS HEATING—Full-color literature showing complete line of modern gas-fired heating equipment with detailed descriptions of product features and owner advantages. Important information for those who want the latest in heating equipment design, compactness and efficient operation. Timken Silent Automatic.

187. IMPORTANT FACTS ABOUT OIL HEATING—Fully informative and attractively illustrated full-color brochure. Clearly describes and demonstrates important differences between various types of oil burners. Explains in detail the fuel saving of the "Wall-Flame" heating principle. Timken Silent Automatic.

188. HIDDEN HEAT WITH TRANE BASEBOARD Convectors—Beautiful 4-color booklet helps you visualize how these convectors will appear in your home. For greater health and comfort, baseboard heating offers you the ultimate in safe, uniform, clean and silent warmth. Gives complete freedom in furniture arrangements. The Trane Co.

189. FOR TROUBLE-FREE HEATING COMFORT—New heating guide by Waterbury—jam-packed with vital facts you should know about home heating today. A better knowledge of heating systems—what they are, how they work—will help you to select the one system best suited for your home. The Waterman-Waterbury Co.

190. WEBSTER BASEBOARD HEATING—New 4-color folder, profusely illustrated, shows simplified design features and typical installations of the original time-tested, forced hot water perimeter heating, for new homes or modernization. Warren Webster & Co.

191. BETTER HEAT FROM AUTOMATIC OIL Heat—Practical facts about the advantages of oil heat for domestic heating. Provides the facts necessary for a comparison of oil with other types of fuel, for either new installations or replacement installations. Webster Electric Co.

192. WEIL-McLAIN RADIANT HOT WATER Heating—This booklet explains in simple terms the factors which determine comfort and how to obtain them when you plan your heating system. Fully illustrated in color. Weil-McLain Co.

193. DESIGN FOR MODERN ELECTRIC HEATING—Completely new, 32-page illustrated booklet. Information guide for home building or modernization. Explains uses of various electric heating equipment; gives installation data and advantages of all types of construction and requirements. Price 10c. Wesix Electric Heater Co.

194. OIL HEAT? GAS HEAT? HOME COOLING? Informative literature gives you data on new developments in automatic home heating and year-round residential air conditioning. Latest money-saving facts. Williams Div., Eureka Williams Co., Div. of Henney Motor Co., Inc.

195. PRIMER ON WARM-AIR HEATING AND Its Selection—An extremely helpful booklet covering the fundamentals of warm-air heating—what to look for in an ideal residential heating system—what to expect from your heating dealer. Gravity, forced-air and counterflow systems and their advantages explained. "Flo-warm" Div., Williamson Heater Co.

196. CONVECTOR-RADIATORS BY YOUNG—Efficient, quick, clean, healthful heat for hot water and steam systems. Several styles, sizes, including low-level model for use beneath picture windows. Dampers permit individual room temperature control; nonferrous cores provide quicker response to thermostat. Young Radiator Co.

Fans

197. ATTIC AND WINDOW-TYPE FANS FOR Complete Home Cooling—Illustrated booklet describes installation and operation of Chelsea Comfort Coolers. A change of air every minute for healthful cooling and ventilating. Models for homes, apartments, rooms. Price 10c. Chelsea Fan & Blower Co.

198. NEW FASCO VENTILATING FANS—Catalogs describe entire line to aid selection. Diagrams illustrate installations. **199. Install A Ventilating Fan Yourself**—16-page book completely illustrates easy step-by-step method of installing a FASCO Ventilating Fan especially designed for self-installation. Price 10c. Fasco Industries, Inc.

200. LOW-COST HOME COOLING—Shows how new, compact, package attic fan (complete with automatic shutter) can easily be installed to cool the entire house. Gives data on selection of attic fan to fit house and climate, and on window fans to cool an apartment or several rooms. Hunter Fan & Ventilating Co.

201. AIR-COOLING "NITEAIR" FAN CATALOG—4-page catalog shows new 1954 LAU "Niteair" residential fans. Shows uses and principles of two styles: Rancher and Panel Unit fans for economical installation in attics, breezeways, garages, walls, basements, dormers, etc. Gives specifications and dimension data. The Lau Blower Co.

202. COOL YOUR WHOLE HOUSE WITH A Robbins & Myers Attic Fan—Explains the low-cost way to enjoy years of cool summer comfort. Gives 3 easy steps to follow in selecting the proper fan for your particular needs. Complete data: exhaust areas, louvers. Robbins & Myers, Inc.

203. HOW TO HAVE COMFORT FROM MOVING Air—Guide book on home cooling, ventilating, heating units; 150 products, what to buy for what purpose, how and where to use. 200 pages. Price 10c.

204. Cool Comfort in Summer. Fresh Air in Winter—Complete ATTIC FAN manual with sketches and data for installation. Price 10c. Torrington Mfg. Co.

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SMALL HOMES GUIDE—32ND EDITION

205. IMPROVED, SCIENTIFIC VENTILATION—New 4-page folder tells how you can keep your kitchen and other small rooms fresh and free from cooking grease and odors. Types of installation for ceiling or cabinet attractively illustrated. For remodeled homes or new construction. Inexpensive to install and operate. Trade-Wind Motorfans, Inc.

Water Systems

206. THE STORY OF BURKS PUMPS—New 32-page illustrated booklet contains fascinating history of water and water systems from ancient times to the present. Full information on the new Burks HV deep-well units and the famous Burks Super Turbine pumps and water systems. See advertisement on page 8. Decatur Pump Co.

207. "RUNNING WATER" is title of illustrated booklet of facts on how to plan a successful water supply system. Includes information about various types of Deming Water Systems for shallow and deep wells. See ad on page 161. The Deming Co.

208. HOW TO PLAN AN IDEAL WATER SYSTEM—24-page booklet—68 photos, drawings, diagrams and charts. Tells how to check well for volume, purity—types of pumps—chart for measuring water needs. Planning plumbing for home, farm or estate. Tips on installing water disposal system...softening and heating water. Fairbanks-Morse & Co.

209. F & W MEANS FLOWING WATER—26-panel booklet folder in color tells of and illustrates the complete line of Flint & Walling pumps and water systems. States capacities, sizes, horse-powers, depths and other essential information for each pump shown. Patented exclusive features are indicated. Flint & Walling Mfg. Co., Inc.

210. DELCO WATER SYSTEMS—Illustrated literature on General Motors built Delco electric pumps; deep well, shallow well, and convertible models, for homes beyond city water mains. **211. Complete Water System Manual**—24 pages—shows typical installations and other useful information. Price 25c. Delco Appliance Div., General Motors Corp.

212. CITY WATER SERVICE BEYOND CITY WATER MAINS—20-page booklet on Goulds Balanced-Flow tankless pump which gives a steady water supply "just like the city." Helpful information on correct pump selection. Also information on other dependable Gould pumps and the revolutionary horizontal cellar drainer. Price 10c. Goulds Pumps.

213. JACUZZI "AUTOMATIC WATER" FOR YOUR HOME—Get the facts on Jacuzzi's new fully-automatic water systems which manufacturer claims deliver up to 35% more pressure and 20% more water than similarly rated pumps. Fact-filled bulletins describe patented "Deepprime Jet"—only self-priming jet water system for wells to 300 ft. Jacuzzi Brothers.

214. McDONALD WATER SYSTEMS—New folders on shallow and deep-well water systems. Valuable information for running water installations. Complete data on capacities, features and applications. Colorful illustrations and facts to help you decide on the type of water system to suit your particular requirements. A. Y. McDonald Mfg. Co.

215. MYERS WATER SYSTEMS—Shows many uses of running water for farm and home. Includes tables, charts and 5 different types of Myers water systems for all needs. **216. Myers Water Conditioning Equipment**—Illustrates and describes all types of Myers water softeners, filters, purifiers and neutralizers. The F. E. Myers & Bro. Co.

217. MULTI-COLOR TRANS-VISION IN CELLOPHANE—Brochure shows construction features and quality working parts of the new Red Jacket "Submerga" water pump. This pump, when once installed, can't be seen—can't be heard—never needs lubrication. Price \$1.00. Red Jacket Mfg. Co.

218. HELPFUL PUMP SELECTOR GUIDE—Makes home-pump buying easy! Shows how Sta-Rite Water Systems fit any home or budget. Answer the postage-free questionnaire that is included, and Sta-Rite experts will tell you the exact pump you need and the price. Sta-Rite Products, Inc.

Water Heaters

219. CONTINUOUS HOT WATER WITHOUT Storage Tank—GENERAL All-Copper Water Heater gives continuous automatic supply with oil-burner or stoker-fired steam or warm-water heating system. Economical, long-lasting, saves space. Illustrated folder gives details. General Fittings Co.

220. POINTS TO REMEMBER WHEN YOU SELECT an Automatic Gas or Electric Water Heater—VENKO Packaged Boiler for the small home, completely wired and assembled, ready to operate. KOVEN TRIMRAD Baseboard Radiators, practically flush with the wall, heat from floor to ceiling, made of welded steel construction. L. O. Koven.

221. INFORMATION THAT WILL GIVE YOUR HOME and family a better, more efficient, less expensive hot water service. Detailed Toastmaster Water Heater catalogs offer valuable information on ways to save water-heating dollars. Added sheets give specifications of all Toastmaster Automatic Water Heaters. McGraw Electric Co.

222. AUTOMATIC WATER HEATER BOOKLET—Murder in the Tank! Explains and illustrates in simple terms how and why most ordinary water heaters rust out in a short time. Shows how Permaglas water heaters with Four B.I. protection and glass-surfaced steel tanks defeat "Ruthless Rust," water heater enemy No. 1. A. O. Smith Corp.

223. WATER HOTTER, WATER HEATERS—Both gas and electric round models, or table tops (electric only) from 20-gallon to 60 and 80-gallon sizes. Colorful folders give all details...dimensions, sizes and recovery rates. Advertised nationwide—approved by Underwriters Laboratories, American Gas Association. White Products Corp.

Bathrooms

176. BEAUTY QUEEN BATHROOM VANITIES—New four-color booklet shows plans for new or old bathrooms to add beauty and convenience. Three sizes of vanities in six color combinations show the many useful features of the single unit vanity-washbowl-cabinet. Price 10c. Toledo Desk & Fixture Corp.

224. BATHROOM BEAUTY FOR TODAY'S HOMES—Illustrations of new bathrooms in full color, with plans and descriptions. Many famous Case quality vitreous china plumbing fixtures are shown, also exact panels of 32 colors in which these are available. W. A. Case & Son Mfg. Co.

225. BATHROOM IDEAS—Colored fixtures of beauty and distinction for the homeowner who wants the best in design and long service. Eljer Co.

226. HALL-MACK BATHROOM ACCESSORIES—Booklets show complete lines of quality accessories for every bathroom style and budget. Many new and unique items for extra bathroom beauty and convenience...a telescopic towel bar...book and magazine rack...3-way mirror medicine cabinet...and the new Aristocrone 400 line. Hall-Mack Co.

227. ADJUSTO BATHROOM FIXTURES—Attractive 4-page folder illustrates and describes models and uses of new swing-down combination shower and tub filler, permitting sitting showers, hair shampooing, and standing showers without bathing cap. Also 2 small folders and installation instructions. Milwaukee Flush Valve Co.

228. PLUMBING CARE AND REPAIR—24-page booklet offers helpful hints on the maintenance of plumbing equipment. The care of drains, replacement of faucet washers and seats, thawing frozen pipes, preventing noises in the plumbing system, and how to drain plumbing in a vacant house are included. Price 10c. Plumbing & Heating Industries.

229. DUCK-BILL ELIMINATES TOILET NOISES—"Does Yours Shout After You?" folder describes and illustrates how the Rockford Brass Works Duck-Bill Hush Tube silences water noises of a refilling toilet water tank. Thousands in use. Fully guaranteed. Rockford Brass Works.

230. ACT-O-MATIC SHOWER HEAD, AUTOMATICALLY Self-Cleaning—Folder illustrates and describes features which make shower bathing completely satisfying—always. It will not clog or drip nor will it deliver a distorted stream. Its come-within-one spray of maximum efficiency pleases all the family. Sloan Valve Co.

231. PLAN YOUR BATHROOM TO INCLUDE THE Convenience of a Shower—Folder shows prefabricated shower cabinets to build in your bathroom, powder room or basement. Shower Doors and Receptors to aid you in building your tile shower stall...and tub enclosures for your greater enjoyment of showers in your bathtub. Tiletone Co.

232. BATHROOM IDEA BOOK—On planning and decorating! Full-color rooms, decorating tips, remodeling hints. Also, layout kit with scale drawings of fixtures to help you design your bathroom. Price 10c. Universal-Rundle Corp.

Kitchens and Laundries

233. KITCHEN PLANNING AND IDEA BOOK—24 pages, full-color photographs of newest ideas in kitchen decoration. Information on how to plan a kitchen for work-saving efficiency. Catalog of American Kitchens units and how to combine them to fit any shape or size room. Price 25c. American Kitchens.

234. COMPLETE KITCHEN PLANNING KIT—Interesting and colorful booklets of ideas and information on the easy way to plan a new kitchen or to remodel an old kitchen. Kit is complete with planning booklets, graph paper, specifications, template and cut-outs of all products. Price 25c. Crosley Div., AVCO Manufacturing Corp.

235. BENDIX DUOMATIC—Brochure tells all about the fabulous new invention that washes and dries your clothes, all in one continuous, unattended, automatic operation—the world's first all-in-one washer-dryer! Offers facts, figures, plus ideas to help you plan for Duomatic when you build or remodel. Bendix Home Appliance Div.

236. ABC'S OF FOOD FREEZING, BY MARTHA B. Kimball, B.S.—New 148-page book contains latest authoritative data of selection of food, methods of preparing, packaging and freezing. Colorful, graphic, many new frozen food recipes. Clever divider envelopes for clippings, new recipes. Price \$1.50. Ben-Hur.

237. PRACTICAL LAUNDRY IDEAS—Leading architects suggest space-saving designs for home laundry locations throughout your house. Accurate dimensions, installation diagrams, financing suggestions. Blackstone Corp.

238. 101 PROBLEMS OF PLANNING A KITCHEN—A 16-page full-color booklet of kitchen planning information. Prepared by Coppes Napanee, designers and builders of custom built hard wood kitchens, it contains dozens of photos of features, complete kitchens and ideas you will want to consider for your new kitchen. Price 25c. Coppes, Inc.

239. CURTIS KITCHENS—24-page booklet in full color shows outstanding new line of Curtis wood kitchen-cabinet units—designed and styled by women for women. Full of new ideas by outstanding home economists. Kitchens may be furnished in natural birch or painted. Price 10c. Curtis.

240. LIFETIME STAINLESS KITCHEN SINKS—Make better kitchens for every home! Learn the lower-cost story of the famous Elkay Lustertone stainless steel sink...for any shape, style, or color kitchen. And for a colorful, carefree combination, learn about Elkay Duratone cabinet tops. Make old kitchens new...new kitchens better with Elkay.

241. JUST FOR YOU—Attractive 20-page booklet of unusual kitchen ideas. Includes full-color reproductions of actual GENEVA kitchens showing cabinets in color as well as white. Contains helpful kitchen planning suggestions, thoughts on accessories and special purpose cabinets and other interesting kitchen ideas. Price 10c. Geneva Modern Kitchens.

242. DISHWASHING THE EASY WAY—Tells the full story of the amazing Dishmaster, the "push-button" dishwasher that washes dishes in scraping time and costs only \$49.50. Dishmaster works on the principle of "aerated suds;" washes everything from glasses and silver to greasy pots; cuts down time and work; fits any sink. Gerity-Michigan Corp.

243. QUIETER-OPERATING GARBAGE DISPOSER—A colorful catalog illustrates and describes the all-new WASTE KING PULVERATOR with exclusive new blue "Super Hush-Cushions" that offer smoother, quieter operation. Installation requirements and design specifications are shown. Two new models: SH7000, SH5500. Given Mfg. Co.

244. HAMILTON PROUDLY PRESENTS—New booklet tells the magic of Hamilton automatic washdays. All-new automatic washer paired with 1954 automatic clothes dryer for effortless washing and drying. Hamilton Mfg. Co.

245. COMPLETE KITCHEN FREEDOM—Find out how the new IN-SINK-ERATOR All Electric Sink becomes your kitchen slave. Simply rinse food waste into disposer and place dishes, silverware, pots and pans into dishwasher. Everything is washed, rinsed and dried—automatically. Dishwasher makes its own scalding hot, 180° water. In-Sink-Erator Mfg. Co.

246. BUILT-IN ELECTRIC RANGE—Illustrated booklet describing range features, also numerous suggestions for custom installations, decorating ideas. A. J. Lindemann & Hoverson Co.

247. BEAUTIFUL KITCHENS—A highly informative, 16-page booklet, printed in full color, illustrates a wide variety of right steps in efficient kitchen planning. Price 15c. Lyon Metal Products, Inc.

248. "PLANorama" OF BEAUTCRAFT CURV-Line Kitchens—A colorful 20-page book containing layouts, ideas, cabinets, features and accessories of unusual interest to anyone planning a new kitchen. Price 25c. Miller Metal Products, Inc.

249. A STEP BEYOND YOUR KITCHEN DREAMS—24 pages, full color. Tips from the largest makers of steel kitchens. How to plan, install, decorate and pay for your dream kitchen—custom-planned Diana-style Youngtown Kitchens—including Diana ensemble sinks, Jet-Tower Dishwashers and Food Waste Disposer. Mullins Mfg. Corp.

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250. NEW KITCHEN SHOWBOOK—Exclusive collection of famous idea kitchens shown in full color, complete with floor plan. Also dozens of special-purpose features. Ideas shown can save you costly disappointments, add beauty and efficiency to your new kitchen. Price \$1. Mutschler Brothers Co.

251. ELECTRIC RANGE COOKING BOOKLET—Illustrated in color. Tells about the modern, automatic Electric Range and its uses—baking, complete oven meals, broiling, roasting, deep-well and surface unit cooking. Includes recipes and time charts. Electric Range Section, National Electrical Manufacturers' Association.

252. THE HOWS AND WHYS OF GARBAGE DISPOSERS—Amusing booklet tells how to handle the messy garbage problem—points out the things to look for in a kitchen food waste disposer—how to be sure of minimum installation and service costs. National Disposer Div., National Rubber Machinery Co.

253. QUICKFEEZ REFRIGERATORS AND FREEZERS—Colorful 28-page catalog acquaints you with full line of Fashion Academy Award refrigerators and money-saving home freezers that give more for your dollar. Beautiful full-color illustrations; complete descriptions and specifications. Quicfreez, Inc.

254. REMODELING YOUR KITCHEN?—You'll find ideas galore in this colorful "101 Ways to Make Awkward Kitchens Behave" booklet. Regardless of size, your present kitchen needn't be hopeless. Explains all the do's and don'ts of kitchen planning. Price 10c. Republic Steel Kitchens, Republic Steel Corp.

255. KITCHENS FOR LIVING—Pictures of St. Charles Kitchens from direct color photographs. Shows some 60 St. Charles convenience accessories and special-purpose units; built-in ranges and ovens; 12 standard colors for finish on steel; plus exteriors of natural wood. A valuable aid in planning your kitchen. Price 10c. St. Charles Mfg. Co.

256. HOW TO SELECT THE BEST HOME LAUNDRY FOR YOU—A 16-page booklet which evaluates the respective advantages of the Speed Queen wringer washer, the automatic washer, the automatic dryer and the automatic ironer. Speed Queen Corp.

257. THE "U" IN YOUR KITCHEN—New beauty, new convenience, new utility with Suburban built-in ovens and cooking tops. Featuring exclusive separate auxiliary broiler—bake and broil at same time. Interchangeable color panels. Suburban Appliance Div., Samuel Stamping & Enameling Co.

258. THOR KITCHEN PLANNING BOOK—A full-color book that is packed with practical ideas for modern kitchens—either for new homes or for remodeling—designed around the new Thor Built-In Electric Range. Includes individual kitchens, laundries, and kitchen-laundry combinations. Thor Corp.

259. YOUR DREAM KITCHEN COMES TRUE!—16-page Wood-Metal catalog guides you step-by-step from the "dreaming" to the "doing" stages in kitchen planning. Idea-provoking color photographs of natural wood and enameled kitchens. Detailed construction drawings and specifications. Price 25c. Wood-Metal Industries, Inc.

Wiring and Lighting

260. PLANNING FOR TELEPHONES IN HOMES—Illustrated booklet explains importance of planning for concealed telephone wiring before you build or remodel; how telephone conduit and outlets can be easily installed during construction. American Telephone & Telegraph Co.

261. MAKING ELECTRICITY PROVIDE MORE GRACIOUS LIVING—A new, fully illustrated 40-page booklet shows how careful electrical planning will bring new beauty, comfort, convenience to every home. Full of exciting new ideas for building or remodeling. Includes a handy, easy-to-use check list. Price 10c. Arrow-Hart & Hegeman Electric Co.

262. GOODBYE TO FUSES—An interesting description of the fundamentals of electrical protection for home wiring circuits, appliances, etc., for those remodeling or planning homes. Illustrated booklet of clear, simple information. Cutler-Hammer.

263. REMOTE-CONTROL WIRING SYSTEM 16-330-1—Non-technical booklet gives a picture story on convenience, safety and economy of this new wiring method. Contains simple explanation of how low-voltage remote-control wiring works, with illustrations of switches, outlets, other components. Construction Materials Div., General Electric Co.

264. ELECTRICITY AND YOUR HOME—Suggestions that will help you plan for maximum electrical convenience. Explains how a Trumbull Load Center eliminates fuses and provides completely safe protection against short circuits and dangerous overloads. Trumbull Components Dept., General Electric Co.

265. SILENT MERCURY SWITCHES—Booklet describes how silent G-E mercury switches can add a touch of luxury to your home. The rooms pictured in the booklet are illustrated in full color. Construction Materials Div., General Electric Co.

266. KIRLIN SYSTEM BUILT-IN LIGHTING—Recessed Flush in Ceiling—Nothing hangs from ceiling; adequate diffused light radiates over entire room. Illustrated folder gives information on all sizes, incandescent and fluorescent. A design for each room. Easily installed between joists before plastering. May be used on porches. The Kirlin Co.

267. GETTING THE MOST FROM YOUR HOME'S ELECTRIC SYSTEM—24 profusely illustrated pages of valuable information on planning for present and future electrical needs; contains specific suggestions and check lists for new home planners, home buyers and old homeowners. Price 15c. National Adequate Wiring Bureau.

YARD AND GARDEN

268. EVERLITE ALUMINUM GREENHOUSES—Attractive folder and price list on complete line of lean-to and free-standing prefabricated aluminum greenhouses and matched greenhouse accessories for folks who garden for pleasure or profit. There is an Everlite model for every residential and institutional need. Aluminum Greenhouses, Inc.

269. YEAR-ROUND PROTECTION FOR YOUR CHILDREN-HOME-LAWN AND FLOWERS—12-page book tells about fence and gates for residential enclosures. Describes features that have made Cyclone the most widely used property-protection fence. Packed with information, illustrations. No down payment—easy monthly installments. Cyclone Fence Dept.

270. FAMILY INVESTMENT FOR YEAR-ROUND LEISURE—This booklet, illustrated in full color, describes the complete Simplicity line of garden tractors and implements with explanations of the various uses to which they may be put. Simplicity Mfg. Co.

271. HOMKO COMPLETE LINE FOLDER—Reel and Rotary Power Lawn Mowers, both manual and self-propelled, with valuable information on how to choose. Also revolutionary new HOMKO Remote Control Mower, Lawn Sweepers, Trimmers and Snow Plow. There's one just right for your lawn. Western Tool & Stamping Co.

DECORATING

272. EXTRA FLAIR FOR YOUR HOME—New folder on "decorator Knobs" by Amerock in choice of copper-brass or chromium-ebony combinations to harmonize with any room, any color. Sketches show how to use on cabinets, built-ins and furniture for adding striking accents throughout the house. American Cabinet Hardware Corp.

273. WALL-TEX FABRIC WALL COVERINGS—New portfolio shows color photos of rooms and patterns, explains plaster crack control and washability of Wall-Tex. Includes sample swatches and directions folder for easy hanging of pre-trimmed, 24-inch Wall-Tex. Columbus Coated Fabrics Corp.

274. NEW IDEAS FOR HOME DECORATORS—"At Home In Every Setting"—a new, 32-page, attractively illustrated Cushman Colonial booklet—filled with information on Early American furniture styles, traditional and contemporary room arrangements, tips on color schemes, accessories, etc. Price 25c. H. T. Cushman Mfg. Co.

275. SPACEMAKER BOOKLET—Shows decorative uses of 4-area-utility Breakfronts and Secretaries. Jasper Cabinet Co.

276. NEW ADVENTURES IN DECORATING—16-page booklet illustrates dozens of patterned glass installations; will suggest countless new and intriguing uses of patterned glass for the smart home decorator. Price 10c. 277. **MIRRORS FOR DECORATIVE USES**—28-page book shows many ways to enhance your home's beauty. Price 10c. Libbey-Owens-Ford.

278. 1954 MAGEE DECORAMA—A new way to plan rooms. A decorating guide, complete with cut-outs, including full-color carpet reproductions, 8 different colored walls, sofas, beds, draperies, toss pillows, chests, vanities, chairs, tables, etc.; decorating tips and terms, color guides, room arrangement suggestions. Price 25c. The Magee Carpet Co.

279. BASEMENT BOOK—Suggestions and plans for laying out new basements for maximum usefulness. Gives architect-approved methods for waterproofing basements; four-color decorating ideas for recreation rooms, game rooms, laundries and workshops. Shows how to finish a basement for as little as \$30. Price 25c. Medusa.

280. HASTINGS ALUMI-AWNINGS—With baked-on enamel finish in 11 smart colors and attractive combinations, for windows, doorways, porches, patios, store fronts. Made of .040 aircraft aluminum, they are described in folder. Supply year-round protection from sun, rain and snow. Beautiful, sturdy, weather-resistant. Metal Tile Products, Inc.

281. FREE COLOR SCHEMES FOR EVERY ROOM—Limitless color combinations at your fingertips in this sensationally new and exciting brochure. It's the famous "Match-a-Chip" color chart. You use genuine painted chips in a brand new way to arrange the most wanted colors in a wide variety of combinations. A joy to use! Luminall Paints.

282. PLANNING AND DECORATING WITH FURNITURE—Leading decorators show you how to create beautiful rooms by harmonizing furniture with color. 16-page booklet pictures room styles in full color, suggests accessories, tells how to quickly identify furniture periods. Price 10c. National Oak Flooring Mfrs. Assn.

283. HELPFUL TIPS ON MOVING TO NEW HOME—Booklet, "The Happiest Move We Ever Made," is offered by North American Van Lines, leading long-distance moving organization. Safe, dependable service on household goods anywhere in U.S., Canada, Alaska. Name of your nearest agent will be sent with booklet. North American Van Lines.

284. FINE FURNITURE BY RICHARDSON—Handy pocket-size brochure illustrates both traditional and contemporary designs; shows you what to look for in buying quality furniture and how to care for it in your own home to preserve its natural beauty. Learn the story of Richardson craftsmanship. Richardson Brothers Co.

285. 14 WAYS TO MAKE AN EXTRA ROOM—Room arrangements, designed by decorators, show how the many styles, sizes and fabrics of Hide-A-Bed sofa provide beauty by day, "extra bedroom" by night. 20 pages in full color. Cutout kit with scaled models to help you plan on paper. Price 25c. Simmons Co.

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286. VENETIAN BLIND SLAT SAMPLES—Booklet with samples of 14 Rolla-Head venetian blind slat colors, plus color leaflet sent by local manufacturer of custom-made Rolla Head venetian blinds. The Eastern Venetian Blind Co.

287. GUIDE TO WINDOW DECORATION—An attractive, useful, 36-page booklet, full of modern ideas for window decoration. Illustrations on how-to-do sketches show variety of curtain and drapery treatments for every type of window and room. Also shows easy, new way to make your own pleated draperies. Price 25c. H. L. Judd Co.

288. WINDOW MAGIC—A 20-page book in full color. Packed with exciting hints and helpful suggestions for greater home beauty through the use of LEVOLOR-built Custom Venetian Blinds. Price 10c. Window Magic, Levolor-Lorentzen, Inc.

Floors

289. INSTALL FLOOR TILE YOURSELF AND SAVE—Booklet shows sparkling colors, gives new decorating ideas. Features B. F. Goodrich Koroseal floor tile in a special gage made especially for home installations—has an anti-slip surface that defies destruction and never needs waxing. Flooring Div., B. F. Goodrich.

290. MODERN IDEAS IN KENTILE—Full-color booklet shows striking floor designs using color interestingly. Includes Kentile Color Line, Theme-Tile, KenSerts, Custombuilt Inserts, pictures of Kentile throughout the entire home. Also, easy-to-follow instruction folder for installing Kentile yourself. Both for 10c. Kentile, Inc.

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Miscellaneous

292. DENISON AWNING-TYPE WINDOWS—Colorful, illustrated 8-page booklet gives a wealth of information on Denison aluminum type windows. Illustrations offer helpful window ideas; installation instructions and complete design data included. 293. **Denison Jalousies**—4-page catalog gives information on Denison Jalousie Windows. Denison Corp.

294. LONG-LIFE METAL WINDOWS—Illustrated folders showing Lupton steel and aluminum casement, double-hung and awning windows. Available sizes and styles are listed, together with advantages of using metal window for long-term savings, permanent beauty and freedom from maintenance. Michael Flynn Mfg. Co.

295. WINDOW FAN—Includes full-size patterns and complete instructions for building and installing window fan (see page 246). Price 50c. 296. **Closet Wall**—Patterns for cutting each member and instructions for assembling 10-foot closet wall (see page 247). Price 50c. Easi-Bild Co.

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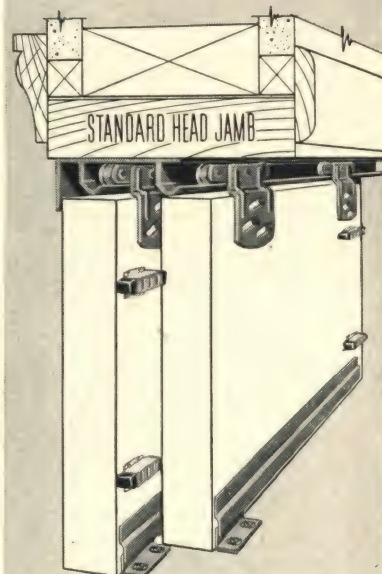
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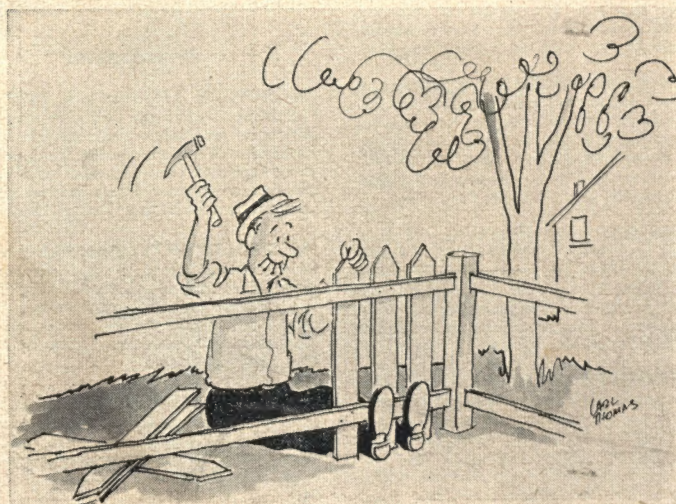
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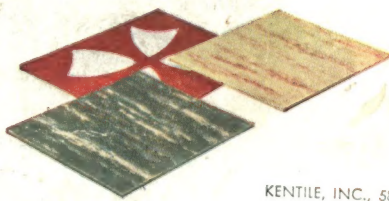
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